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PROJECTIONS AND PLANNING INFORMATION



San Diego

Metropolitan Statistical Area
(San Diego County)



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PROJECTIONS AND PLANNING INFORMATION

SAN DIEGO METROPOLITAN STATISTICAL AREA (SAN DIEGO COUNTY)

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PROJECTIONS AND PLANNING INFORMATION

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San Diego County
Department of Planning



LABOR MARKET INFORMATION DIVISION

MISSION

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

VISION

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.

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Projections & Planning Information

Module A:

Introduction

Projections and Planning Information

SAN DIEGO COUNTY

Replace Module A: INTRODUCTION

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**EMPLOYMENT DEVELOPMENT DEPARTMENT
LABOR MARKET INFORMATION DIVISION**

For questions about this report, call (916) 262-2162.





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Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

Customers may choose some or all of the following modules:

Module A: Introduction *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

Module B: Labor Force *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

Module C: Wage and Salary Employment *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

Module D: Projections *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

Module E: Occupational Wages *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

Module F: Social and Economic Data *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

San Diego County

San Diego County is the southern-most county in California, sharing its southern border with the country of Mexico. Orange and Riverside counties border San Diego to the north, and Imperial County neighbors it on the east.

The county encompasses 4,280 square miles, or an area about the size of the state of Connecticut. San Diego's terrain varies from the Anza-Borrego Desert region, which forms the eastern third of the county, to the Laguna Mountains, which form a natural east-west division, to its 70 miles of Pacific Ocean coastline. Numerous cliffs, beaches, hills, mesas, canyons, deserts and valleys contribute to the physical beauty of the county.

2000 Census data records San Diego County's population as over 2.8 million, an increase over 1990 Census data of 12.6 percent or 315,800 new residents. The cities of San Marcos, Chula Vista, Oceanside, and Vista recorded the highest percent growth; all four increased in population by over 25 percent, with San Marcos leading at 41 percent. Carlsbad and Escondido each gained over 20 percent more residents over 1990 figures. The city of San Diego recorded a 2000 population of over 1.2 million, up

112,800 since the previous census or 10.2 percent. Overall, San Diego County ranks as the third most-populated county in California. Its population is projected to reach close to 3.9 million by the year 2020.

San Diego's extensive educational system includes 38 colleges and universities and five community college districts. The county has a University of California campus, two California State University campuses, and several private colleges and universities.

The San Diego International Airport is located next to San Diego Bay, and is served by most major airlines. San Diego Bay contains one of the world's largest natural deep-water harbors and serves ocean-going crafts such as U. S. Naval ships, tuna fleets, commercial ships, and cruise ships. Amtrak provides passenger rail service to the San Diego area, while the Atchison, Topeka and Santa Fe Railroads provide freight service.

San Diego County

(San Diego Metropolitan Statistical Area)

Population of the County and Selected Cities
1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Total	1,861,846	2,498,016	2,813,833	2,883,600	12.6%	2.5%
Carlsbad	35,490	63,126	78,247	83,500	24.0%	6.7%
Chula Vista	83,927	135,163	173,556	183,300	28.4%	5.6%
Coronado	18,790	26,540	24,100	24,100	-9.2%	0.0%
Del Mar	5,017	4,860	4,389	4,460	-9.7%	1.6%
El Cajon	73,892	88,693	94,869	96,700	7.0%	1.9%
Encinitas (e)	36,550	55,386	58,014	59,300	4.7%	2.2%
Escondido	64,355	108,635	133,559	137,000	22.9%	2.6%
Imperial Beach	22,689	26,512	26,992	27,600	1.8%	2.3%
La Mesa	50,308	52,931	54,749	55,500	3.4%	1.4%
Lemon Grove	20,780	23,984	24,918	25,400	3.9%	1.9%
National City	48,772	54,249	54,260	56,700	0.0%	4.5%
Oceanside	76,698	128,398	161,029	165,400	25.4%	2.7%
Poway (e)	32,439	43,516	48,044	49,100	10.4%	2.2%
San Diego	875,538	1,110,549	1,223,400	1,250,700	10.2%	2.2%
San Marcos	17,479	38,974	54,977	58,100	41.1%	5.7%
Santee (e)	40,298	52,902	52,975	53,700	0.1%	1.4%
Solana Beach (e)	12,250	12,962	12,979	13,250	0.1%	2.1%
Vista	35,834	71,872	89,857	92,000	25.0%	2.4%
Balance of County	310,740	398,764	442,919	447,800	11.1%	1.1%

(a) Census of Population, April 1, 1980.

(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.

(e) Incorporated after the 1980 Census.

NA-Not applicable

San Diego County



Cartography by:
Current Economic Statistics
Labor Market Information Division
California Employment Development Department
www.calmis.ca.gov
March 2002

Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.
Report E-1. Sacramento, California, May 2001.

O*NET

The Occupational Information Network

The *Occupational Information Network* (O*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O*NET was created for the general public to provide broad access to occupational information.

The O*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O*NET data collection and database will be maintained by the newly established National O*NET Consortium.

For further information contact O*NET:

O*NET Project
DOL Office of Policy and Research
200 Constitution Ave., NW, MS N5637
Washington, DC 20210
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

General Characteristics of the Revised SOC

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists (*minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

CalJOBS – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

Employer Advisory Councils work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us —
24 hours a day, seven days a week!

<http://www.calmis.ca.gov>

Data available on-line:

Agriculture Statewide and county employment and earnings data for selected crops and industries.

Demographics Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

Industry Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

Labor Force Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

Resources Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

Occupations Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

Visit our interactive on-line sites:

Labor Market Information for Economic Development (LMI4ED) Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

California Career & Training Information System (CaCTIS) Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

Publications and Information: Publications Desk (916) 262-2162

Internet Assistance: (916) 262-2213 or (916) 262-2340

Related Websites

Local Government

CA local government agencies

http://www.ceres.ca.gov/geo_area/counties

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

Projections & Planning Information

Module B:

Labor Force

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Module B: Labor Force

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Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

Civilian Labor Force includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

Civilian Employment includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

Civilian Unemployment includes those individuals who are not working but are able, available and looking for work.

Unemployment Rate is the number of unemployed individuals expressed as a percentage of the civilian labor force.

Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

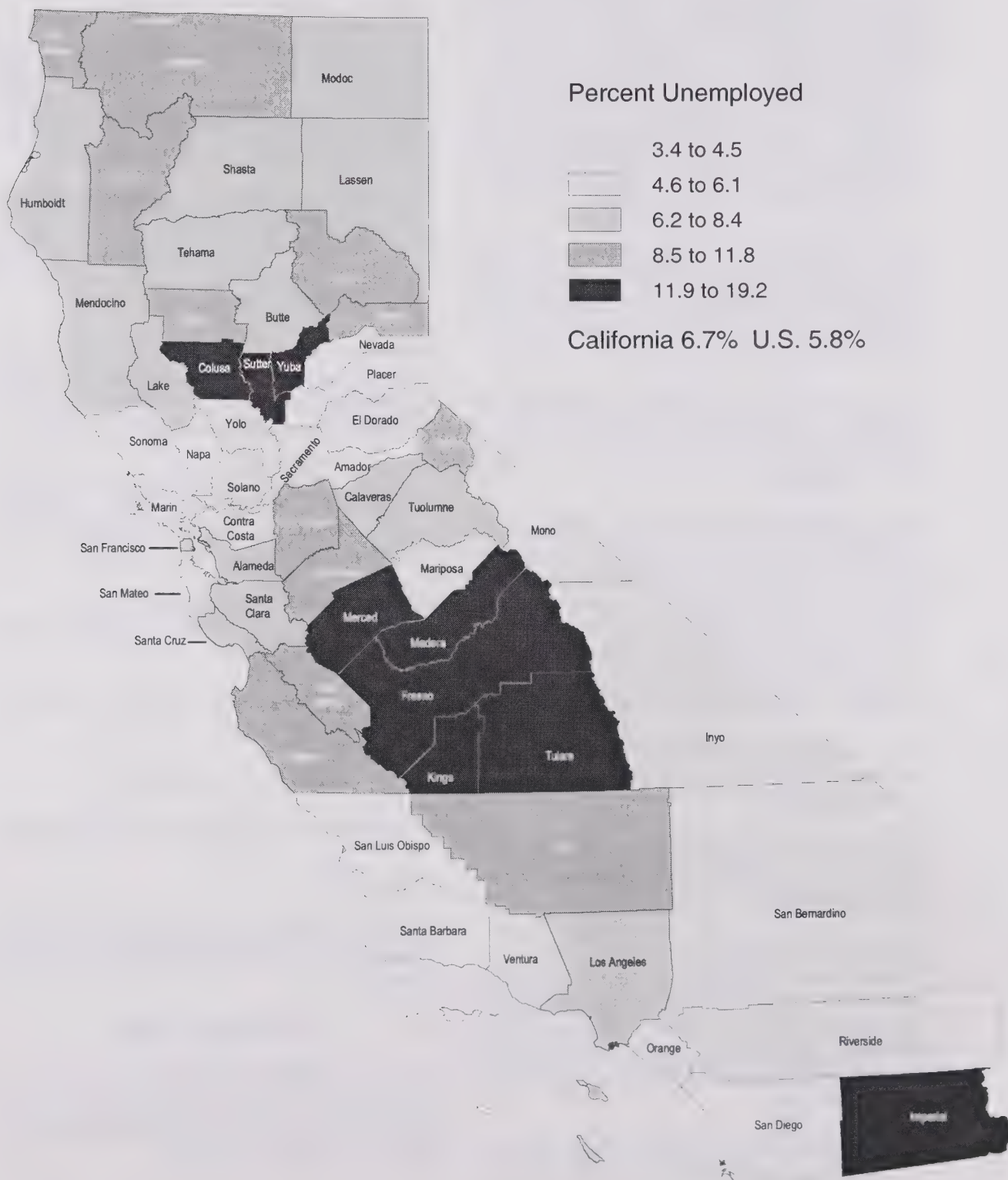
Electronic access to data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

County Unemployment Rates

2002 Annual Averages



United States, California and Counties
Unemployment Rates
2001, 2002 Annual Averages*

	2001	2002		2001	2002
U.S.	4.7	5.8			
CALIFORNIA	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

*March 2002 Benchmark figures.

San Diego County
Civilian Labor Force, Employment and Unemployment
 (2002 Benchmark)
 Annual Averages 1990–2002

	Labor Force	Employment	Unemployment	Rate
2002	1,469,000	1,406,000	63,000	4.3%
2001	1,428,900	1,382,600	46,300	3.2%
2000	1,393,600	1,351,800	41,800	3.0%
1999	1,361,600	1,319,600	42,000	3.1%
1998	1,321,000	1,274,600	46,400	3.5%
1997	1,285,100	1,230,800	54,300	4.2%
1996	1,241,200	1,175,900	65,300	5.3%
1995	1,233,900	1,155,300	78,600	6.4%
1994	1,239,800	1,152,700	87,100	7.0%
1993	1,223,000	1,128,400	94,600	7.7%
1992	1,218,000	1,130,000	88,000	7.2%
1991	1,208,000	1,133,000	75,000	6.2%
1990	1,220,100	1,163,900	56,200	4.6%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

San Diego County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

	Labor Force	Employment	Unemployment	Rate
2002 January	1,452,400	1,392,100	60,300	4.2%
February	1,459,900	1,401,000	58,900	4.0%
March	1,462,400	1,403,600	58,800	4.0%
April	1,463,100	1,405,100	58,000	4.0%
May	1,462,500	1,405,300	57,300	3.9%
June	1,478,400	1,413,700	64,700	4.4%
July	1,472,600	1,403,500	69,100	4.7%
August	1,478,100	1,411,900	66,100	4.5%
September	1,459,000	1,393,000	66,000	4.5%
October	1,482,100	1,414,300	67,800	4.6%
November	1,478,600	1,412,300	66,300	4.5%
December	1,478,900	1,416,400	62,500	4.2%
Annual Average	1,469,000	1,406,000	63,000	4.3%
2001 January	1,404,100	1,363,500	40,500	2.9%
February	1,407,400	1,368,400	39,000	2.8%
March	1,411,700	1,373,800	37,900	2.7%
April	1,414,000	1,374,800	39,200	2.8%
May	1,420,700	1,380,500	40,200	2.8%
June	1,431,200	1,382,800	48,300	3.4%
July	1,434,200	1,382,500	51,700	3.6%
August	1,437,600	1,386,700	50,800	3.5%
September	1,429,300	1,378,800	50,500	3.5%
October	1,452,000	1,397,400	54,700	3.8%
November	1,453,500	1,399,700	53,800	3.7%
December	1,451,700	1,402,700	49,000	3.4%
Annual Average	1,428,900	1,382,600	46,300	3.2%
2000 January	1,368,300	1,326,500	41,800	3.1%
February	1,373,900	1,333,700	40,200	2.9%
March	1,385,300	1,345,100	40,100	2.9%
April	1,392,500	1,353,200	39,300	2.8%
May	1,386,000	1,345,800	40,200	2.9%
June	1,395,200	1,347,800	47,400	3.4%
July	1,399,400	1,349,200	50,200	3.6%
August	1,400,200	1,354,000	46,300	3.3%
September	1,392,600	1,349,700	42,900	3.1%
October	1,410,800	1,369,500	41,300	2.9%
November	1,408,500	1,370,100	38,300	2.7%
December	1,410,500	1,377,000	33,500	2.4%
Annual Average	1,393,600	1,351,800	41,800	3.0%

San Diego County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1999	January	1,337,500	1,289,700	47,700	3.6%
	February	1,341,700	1,297,100	44,600	3.3%
	March	1,350,000	1,307,600	42,300	3.1%
	April	1,351,900	1,311,700	40,300	3.0%
	May	1,353,400	1,314,400	38,900	2.9%
	June	1,361,300	1,316,600	44,800	3.3%
	July	1,371,400	1,325,100	46,300	3.4%
	August	1,368,900	1,326,400	42,400	3.1%
	September	1,358,800	1,317,800	41,000	3.0%
	October	1,380,100	1,339,300	40,800	3.0%
	November	1,381,500	1,342,500	39,000	2.8%
	December	1,382,900	1,347,400	35,400	2.6%
	Annual Average	1,361,600	1,319,600	42,000	3.1%
1998	January	1,299,400	1,250,100	49,300	3.8%
	February	1,306,300	1,258,900	47,400	3.6%
	March	1,305,000	1,260,200	44,800	3.4%
	April	1,307,400	1,264,500	42,800	3.3%
	May	1,312,300	1,269,500	42,800	3.3%
	June	1,320,300	1,272,200	48,000	3.6%
	July	1,331,200	1,279,700	51,500	3.9%
	August	1,334,800	1,284,400	50,500	3.8%
	September	1,322,200	1,272,900	49,300	3.7%
	October	1,338,500	1,291,800	46,700	3.5%
	November	1,337,500	1,293,600	43,900	3.3%
	December	1,337,700	1,298,000	39,800	3.0%
	Annual Average	1,321,000	1,274,600	46,400	3.5%
1997	January	1,262,500	1,201,000	61,500	4.9%
	February	1,264,900	1,207,200	57,700	4.6%
	March	1,268,900	1,214,600	54,300	4.3%
	April	1,266,200	1,213,000	53,300	4.2%
	May	1,269,900	1,218,000	51,900	4.1%
	June	1,288,400	1,231,400	57,100	4.4%
	July	1,300,700	1,240,800	59,900	4.6%
	August	1,305,700	1,248,000	57,700	4.4%
	September	1,290,500	1,234,300	56,200	4.4%
	October	1,301,100	1,249,200	51,800	4.0%
	November	1,301,700	1,254,800	46,900	3.6%
	December	1,300,300	1,257,500	42,700	3.3%
	Annual Average	1,285,100	1,230,800	54,300	4.2%

San Diego County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1996	January	1,227,500	1,152,500	75,000	6.1%
	February	1,228,300	1,156,000	72,300	5.9%
	March	1,226,600	1,159,500	67,100	5.5%
	April	1,222,000	1,157,000	65,000	5.3%
	May	1,226,800	1,163,300	63,600	5.2%
	June	1,241,200	1,173,600	67,600	5.4%
	July	1,254,300	1,182,800	71,500	5.7%
	August	1,257,000	1,190,200	66,800	5.3%
	September	1,243,400	1,178,000	65,400	5.3%
	October	1,256,200	1,194,600	61,600	4.9%
	November	1,257,900	1,200,500	57,400	4.6%
	December	1,253,900	1,203,000	50,900	4.1%
	Annual Average	1,241,200	1,175,900	65,300	5.3%
1995	January	1,224,600	1,142,100	82,500	6.7%
	February	1,224,800	1,145,700	79,100	6.5%
	March	1,225,000	1,150,300	74,700	6.1%
	April	1,223,500	1,146,900	76,600	6.3%
	May	1,225,200	1,147,800	77,400	6.3%
	June	1,239,800	1,156,900	82,900	6.7%
	July	1,246,200	1,159,700	86,500	6.9%
	August	1,248,400	1,167,300	81,100	6.5%
	September	1,232,400	1,152,100	80,300	6.5%
	October	1,241,700	1,161,300	80,400	6.5%
	November	1,242,400	1,166,500	75,900	6.1%
	December	1,233,600	1,167,300	66,300	5.4%
	Annual Average	1,233,900	1,155,300	78,600	6.4%
1994	January	1,235,700	1,141,700	94,000	7.6%
	February	1,239,600	1,146,700	92,900	7.5%
	March	1,239,500	1,152,500	87,000	7.0%
	April	1,231,700	1,145,500	86,200	7.0%
	May	1,233,800	1,146,900	86,900	7.0%
	June	1,249,700	1,157,300	92,400	7.4%
	July	1,256,300	1,158,500	97,800	7.8%
	August	1,253,800	1,163,200	90,600	7.2%
	September	1,237,700	1,150,100	87,600	7.1%
	October	1,241,300	1,158,100	83,200	6.7%
	November	1,233,100	1,156,600	76,500	6.2%
	December	1,225,600	1,155,900	69,700	5.7%
	Annual Average	1,239,800	1,152,700	87,100	7.0%

San Diego County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1993	January	1,224,700	1,127,500	97,200	7.9%
	February	1,219,000	1,124,700	94,300	7.7%
	March	1,215,500	1,125,600	89,900	7.4%
	April	1,209,800	1,119,300	90,500	7.5%
	May	1,208,800	1,117,100	91,700	7.6%
	June	1,225,800	1,126,900	98,900	8.1%
	July	1,238,000	1,133,500	104,500	8.4%
	August	1,235,100	1,136,400	98,700	8.0%
	September	1,217,500	1,119,900	97,600	8.0%
	October	1,229,600	1,133,600	96,000	7.8%
	November	1,230,100	1,138,100	92,000	7.5%
	December	1,221,800	1,138,300	83,500	6.8%
	Annual Average	1,223,000	1,128,400	94,600	7.7%
1992	January	1,205,700	1,126,000	79,700	6.6%
	February	1,213,500	1,130,900	82,600	6.8%
	March	1,214,000	1,134,700	79,300	6.5%
	April	1,207,000	1,125,700	81,300	6.7%
	May	1,207,600	1,124,500	83,100	6.9%
	June	1,222,900	1,130,300	92,600	7.6%
	July	1,232,400	1,134,700	97,700	7.9%
	August	1,227,600	1,133,500	94,100	7.7%
	September	1,215,500	1,121,600	93,900	7.7%
	October	1,225,700	1,132,900	92,800	7.6%
	November	1,227,900	1,135,100	92,800	7.6%
	December	1,217,100	1,130,600	86,500	7.1%
	Annual Average	1,218,000	1,130,000	88,000	7.2%
1991	January	1,210,800	1,138,600	72,200	6.0%
	February	1,211,900	1,138,300	73,600	6.1%
	March	1,213,900	1,141,600	72,300	6.0%
	April	1,205,100	1,131,400	73,700	6.1%
	May	1,204,400	1,130,300	74,100	6.1%
	June	1,210,500	1,129,700	80,800	6.7%
	July	1,219,300	1,135,100	84,200	6.9%
	August	1,213,300	1,137,400	75,900	6.3%
	September	1,199,300	1,123,000	76,300	6.4%
	October	1,204,900	1,129,500	75,400	6.3%
	November	1,204,100	1,132,200	71,900	6.0%
	December	1,198,500	1,129,000	69,500	5.8%
	Annual Average	1,208,000	1,133,000	75,000	6.2%

San Diego County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1990 January	1,216,500	1,169,100	47,300	3.9%
February	1,222,000	1,175,800	46,200	3.8%
March	1,224,100	1,180,200	43,900	3.6%
April	1,216,600	1,169,300	47,300	3.9%
May	1,222,300	1,171,800	50,500	4.1%
June	1,227,000	1,168,700	58,300	4.7%
July	1,235,700	1,171,900	63,800	5.2%
August	1,238,700	1,178,400	60,300	4.9%
September	1,202,700	1,139,000	63,700	5.3%
October	1,214,000	1,149,200	64,700	5.3%
November	1,216,000	1,150,000	66,000	5.4%
December	1,205,300	1,143,200	62,200	5.2%
Annual Average	1,220,100	1,163,900	56,200	4.6%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Projections & Planning Information

Module C:

Wage & Salary Employment

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Module C: Wage and Salary

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Wage and Salary Employment

Industry employment data reflect jobs by “place of work” and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as “Benchmark data,” are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

Additional Sources of Information

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

Automated Access

Access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Total, All Industries	1,205,200	1,229,800	1,239,300
Total Farm	11,400	11,400	10,800
Total Nonfarm	1,193,800	1,218,400	1,228,500
Total Private	987,200	1,004,700	1,007,600
Goods Producing	192,600	194,400	188,600
Natural Resources and Mining	300	300	300
Construction	69,700	75,100	76,000
Construction of Buildings	15,600	16,200	16,100
Heavy and Civil Engineering Construction	7,900	8,800	8,800
Specialty Trade Contractors	46,200	50,000	51,200
Building Foundation and Exterior Contractors	11,100	12,500	12,800
Building Equipment Contractors	15,200	16,500	16,700
Building Finishing Contractors	14,400	15,100	15,400
Residual-Other Specialty Trade Contract	5,500	5,900	6,300
Manufacturing	122,600	119,000	112,200
Durable Goods	92,200	89,300	84,500
Machinery Manufacturing	9,400	9,400	9,400
Computer and Electronic Product Manufacturing	33,400	30,500	26,400
Computer and Peripheral Equipment Manufacturing	5,400	5,500	5,200
Communications Equipment Manufacturing	6,100	5,600	5,000
Audio and Video Equipment Manufacturing	5,600	3,100	2,500
Residual-Semiconductor and Electronic Component Manufacturing	16,300	10,200	8,500
Electronic Instrument Manufacturing	6,300	6,100	5,300
Transportation Equipment Manufacturing	13,500	13,200	13,400
Residual-Motor Vehicle Manufacturing	1,500	1,500	1,500
Aerospace Product and Parts Manufacturing	6,200	6,400	5,900
Ship and Boat Building	5,700	5,300	6,000
Residual-Miscellaneous Manufacturing	35,900	36,200	35,200
Nondurable Goods	30,400	29,800	27,800
Service Providing	1,001,200	1,024,000	1,039,900
Trade, Transportation and Utilities	202,600	209,000	209,400
Wholesale Trade	39,100	41,500	41,300
Merchant Wholesalers, Durable Goods	22,400	24,600	23,900
Merchant Wholesalers, Nondurable Goods	13,400	13,400	13,300
Wholesale Electronic Markets and Agents and Brokers	3,300	3,400	4,100
Retail Trade	133,800	135,600	137,500
Motor Vehicle and Parts Dealer	18,600	19,300	19,600
Residual-Furniture and Home Furnishings Stores	22,300	22,300	21,800
Building Material and Garden Equipment Stores	9,100	9,600	10,300
Food and Beverage Stores	22,200	22,600	23,200
Grocery Stores	19,100	19,600	20,200
Residual-Specialty Food Stores	3,100	3,000	3,100
Health and Personal Care Stores	7,600	8,000	7,900

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Clothing and Clothing Accessories Stores	14,400	14,700	14,900
Clothing Stores	11,400	11,600	11,800
Residual-Shoe Stores	3,000	3,100	3,100
Sporting Goods, Hobby, Book and Music Stores	8,200	8,200	8,300
Sporting Goods, Hobby and Musical Instrument Stores	5,200	5,200	5,300
Book, Periodical and Music Stores	2,900	2,900	3,100
General Merchandise Stores	20,600	20,300	20,700
Department Stores	16,600	16,100	16,300
Other General Merchandise Stores	4,100	4,200	4,400
Miscellaneous Store Retailers	10,800	10,700	10,800
Transportation, Warehousing and Utilities	29,800	32,000	30,700
Utilities	5,700	6,900	6,500
Transportation and Warehousing	24,100	25,000	24,100
Residual-Air Transportation	13,600	14,200	13,600
Truck Transportation	5,400	5,300	5,100
Warehousing and Storage	5,100	5,500	5,400
Information	39,200	38,800	37,200
Publishing Industries (except Internet)	12,000	11,900	11,800
Newspaper, Periodical, Book and Directory Publishers	7,700	7,300	7,100
Software Publishers	4,400	4,500	4,700
Broadcasting (except Internet)	3,600	3,400	3,400
Telecommunications	15,600	16,500	16,600
Wireless Telecommunications Carriers	7,700	8,100	8,200
Telecommunications Resellers	6,100	6,900	7,200
Residual-Other Telecommunications	1,700	1,500	1,200
Residual-Other Information Services	8,000	7,000	5,400
Financial Activities	71,200	72,000	73,800
Finance and Insurance	44,000	44,900	46,300
Residual-Other Finance	400	600	800
Credit Intermediation and Related Activities	20,400	21,100	22,500
Securities, Commodity Contracts and Investments	7,500	7,600	7,600
Insurance Carriers and Related	15,600	15,600	15,400
Real Estate and Rental and Leasing	27,200	27,200	27,400
Real Estate	19,500	19,400	20,300
Residual-Rental and Leasing Services	7,700	7,800	7,100
Professional and Business Services	195,200	198,200	201,300
Professional, Scientific and Technical Services	92,300	98,300	100,300
Legal Services	10,500	11,100	11,300
Architectural, Engineering and Related Services	16,800	18,200	18,900
Scientific Research and Development Services	21,200	24,100	24,800
Residual-Other Professional, Scientific and Technical Services	43,800	44,900	45,300
Management of Companies and Enterprises	18,700	18,600	20,100

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Administrative and Support and Waste Services	84,200	81,300	81,000
Administrative and Support Services	82,100	79,000	78,700
Employment Services	40,700	36,500	35,200
Investigation and Security Services	6,800	7,600	8,500
Services to Buildings and Dwellings	19,900	19,700	19,800
Residual-Other Support Services	14,700	15,200	15,300
Waste Management and Remediation Services	2,100	2,200	2,300
Educational and Health Services	115,300	116,000	118,700
Educational Services	18,200	17,200	16,800
Residual-Elementary and Secondary Schools	12,800	11,600	11,500
Colleges, Universities and Professional Schools	5,400	5,500	5,400
Health Care and Social Assistance	97,200	98,800	101,900
Ambulatory Health Care Services	41,100	40,600	43,200
Hospitals	22,300	23,000	23,100
Nursing and Residential Care Facilities	17,100	17,600	17,800
Social Assistance	16,700	17,500	17,800
Leisure and Hospitality	129,000	131,400	132,200
Arts, Entertainment, and Recreation	17,800	17,500	17,500
Amusement, Gambling, and Recreation	12,000	10,900	11,600
Residual-Other Amusement and Recreation	5,800	6,600	5,800
Accommodation and Food Service	111,200	113,800	114,700
Accommodation	26,500	26,700	25,200
Food Services and Drinking Places	84,700	87,100	89,600
Full-Service Restaurants	41,200	42,700	43,800
Residual-Limited-Service Eating Places	43,500	44,400	45,800
Other Services	42,200	44,900	46,300
Repair and Maintenance	13,000	13,000	13,200
Personal and Laundry Services	13,600	13,800	13,900
Religious, Grantmaking, Civic, Professional and Similar Organizations	15,600	18,000	19,300
Government	206,600	213,800	221,000
Federal Government	42,100	40,200	39,900
Other Federal Government	20,900	19,900	20,200
Department of Defense	21,200	20,200	19,700
State and Local Government	164,600	173,600	181,100
State Government	35,000	36,100	37,900
State Government Education	22,700	23,400	24,900
Other State Government	12,200	12,800	13,000
Local Government	129,600	137,500	143,100
Local Government Education	74,100	76,500	79,100
County	18,200	18,700	20,000
City	18,900	19,800	20,200
Other Local Government	18,400	22,500	23,800

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,173,800	1,184,000	1,195,100	1,196,600	1,209,400	1,215,500	1,197,400	1,200,100	1,210,900	1,218,200	1,226,500	1,235,400	1,205,200
Total Farm	9,800	10,300	10,900	11,900	12,300	12,500	11,800	11,700	12,100	11,900	11,400	10,500	11,400
Total Nonfarm	1,164,000	1,173,700	1,184,200	1,184,700	1,197,100	1,203,000	1,185,600	1,188,400	1,198,800	1,206,300	1,215,100	1,224,900	1,193,800
Total Private	956,900	965,500	973,600	975,500	983,600	993,500	990,400	996,000	997,400	997,400	1,003,600	1,013,000	987,200
Goods Producing	188,200	189,100	189,500	190,500	191,900	194,500	193,200	194,200	194,100	194,400	195,000	196,500	192,800
Natural Resources and Mining	300	300	300	300	300	300	300	300	300	300	300	300	300
Construction	66,300	67,000	67,100	67,200	68,200	70,000	70,700	71,800	72,100	71,500	71,800	72,900	69,700
Construction of Buildings	15,000	15,100	15,300	15,200	15,400	15,900	15,500	15,700	15,800	15,700	16,000	16,400	15,600
Heavy and Civil Engineering Construction	7,800	7,900	7,900	7,800	7,900	8,000	7,900	8,200	8,300	7,700	7,700	7,900	7,900
Specialty Trade Contractors	43,500	44,000	43,900	44,200	44,900	46,100	47,300	47,900	48,000	48,100	48,100	48,600	46,200
Building Foundation and Exterior Contractors	10,000	10,100	10,100	10,600	10,600	10,900	11,600	11,800	11,800	12,000	11,900	12,300	11,100
Building Equipment Contractors	14,800	14,700	14,700	14,500	14,800	15,100	15,600	15,800	15,800	15,600	15,600	15,800	15,200
Building Finishing Contractors	13,500	14,000	13,900	13,800	14,200	14,600	14,400	14,700	14,900	14,900	15,000	14,800	14,400
Residual-Other Specialty Trade Contract	5,200	5,200	5,200	5,300	5,300	5,500	5,700	5,600	5,500	5,600	5,600	5,700	5,500
Manufacturing	121,600	121,800	122,100	123,000	123,400	124,200	122,200	122,100	121,700	122,600	122,900	123,300	122,600
Durable Goods	91,200	91,300	91,500	92,700	92,900	93,400	91,600	91,600	91,800	92,500	92,900	93,200	92,200
Machinery Manufacturing	9,400	9,500	9,500	9,600	9,600	9,700	9,400	9,400	9,300	9,100	9,100	9,200	9,400
Computer and Electronic Product Manufacturing	33,300	33,000	32,800	32,900	33,100	33,300	32,900	33,100	33,300	34,100	34,300	34,600	33,400
Computer and Peripheral Equipment Manufacturing	5,500	5,500	5,500	5,400	5,400	5,300	5,300	5,300	5,200	5,400	5,400	5,400	5,400
Communications Equipment Manufacturing	6,300	6,100	6,000	6,000	6,000	6,100	6,100	6,000	6,100	6,100	6,200	6,200	6,100
Audio and Video Equipment Manufacturing	5,400	5,500	5,500	5,400	5,600	5,600	5,700	5,700	5,700	5,700	5,700	5,700	5,600
Residual-Semiconductor and Electronic Component Manufacturing	16,100	15,900	15,800	16,100	16,100	16,300	15,800	16,100	16,300	16,900	17,000	17,300	16,300
Electronic Instrument Manufacturing	6,400	6,300	6,200	6,200	6,200	6,200	6,200	6,200	6,200	6,300	6,300	6,400	6,300
Transportation Equipment Manufacturing	14,500	14,700	14,800	14,100	14,000	13,900	12,600	12,500	12,600	12,700	12,800	12,800	13,500
Residual-Motor Vehicle Manufacturing	1,800	1,800	1,700	1,500	1,500	1,500	1,400	1,500	1,400	1,400	1,400	1,400	1,500
Aerospace Product and Parts Manufacturing	6,400	6,300	6,300	6,700	6,700	6,700	6,000	5,900	5,900	6,000	6,000	6,000	6,200
Ship and Boat Building	6,300	6,600	6,800	5,900	5,800	5,700	5,200	5,100	5,300	5,300	5,400	5,400	5,700
Residual-Miscellaneous Manufacturing	34,000	34,100	34,400	36,100	36,200	36,500	36,700	36,600	36,600	36,600	36,700	36,600	35,900
Nondurable Goods	30,400	30,500	30,600	30,300	30,500	30,800	30,600	30,500	29,900	30,100	30,000	30,100	30,400

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Service Providing	975,800	984,600	994,700	994,200	1,005,200	1,008,500	992,400	994,200	1,004,700	1,011,900	1,020,100	1,028,400	1,001,200
Trade, Transportation and Utilities	198,100	198,400	198,500	198,800	200,900	202,400	201,700	201,600	202,000	204,300	210,200	214,800	202,600
Wholesale Trade	38,400	38,800	38,600	39,000	39,400	39,800	39,100	39,000	39,000	39,100	39,300	39,700	39,100
Merchant Wholesalers, Durable Goods	21,800	22,000	22,000	22,300	22,500	22,700	22,300	22,300	22,400	22,700	22,900	23,200	22,400
Merchant Wholesalers, Nondurable Goods	13,200	13,400	13,300	13,400	13,500	13,700	13,500	13,300	13,300	13,300	13,300	13,400	13,400
Wholesale Electronic Markets and Agents and Brokers	3,400	3,400	3,300	3,300	3,400	3,400	3,300	3,400	3,300	3,100	3,100	3,100	3,300
Retail Trade	131,200	131,000	130,900	129,900	131,100	131,900	131,700	132,300	133,100	135,600	141,100	145,200	133,800
Motor Vehicle and Parts Dealer	17,900	18,200	18,200	18,100	18,600	18,600	18,700	18,900	19,000	19,200	19,000	19,000	18,600
Residual-Furniture and Home Furnishings Stores	21,900	22,000	21,900	21,300	21,500	21,800	22,200	22,300	22,300	23,100	23,600	23,900	22,300
Building Material and Garden Equipment Stores	8,700	8,900	9,100	9,100	9,200	9,300	9,000	9,000	9,000	9,000	9,100	9,200	9,100
Food and Beverage Stores	22,600	22,500	22,700	22,100	22,000	22,000	21,700	21,800	22,100	22,300	22,000	22,300	22,200
Grocery Stores	19,500	19,400	19,600	18,900	19,000	19,100	18,800	18,800	19,100	19,300	18,800	18,900	19,100
Residual-Specialty Food Stores	3,100	3,100	3,100	3,200	3,000	2,900	2,900	3,000	3,000	3,000	3,200	3,400	3,100
Health and Personal Care Stores	7,400	7,500	7,500	7,300	7,400	7,500	7,600	7,700	7,700	7,800	8,000	8,200	7,600
Clothing and Clothing Accessories Stores	13,900	13,500	13,500	13,600	13,800	14,200	14,400	14,400	14,300	14,400	15,800	16,600	14,400
Clothing Stores	11,000	10,700	10,700	10,800	10,900	11,400	11,400	11,400	11,300	11,400	12,700	13,300	11,400
Residual-Shoe Stores	2,900	2,800	2,800	2,800	2,900	2,800	3,000	3,000	3,000	3,000	3,100	3,300	3,000
Sporting Goods, Hobby, Book and Music Stores	8,100	8,200	8,100	8,000	7,900	7,700	7,900	7,800	8,100	8,300	8,900	9,300	8,200
Sporting Goods, Hobby and Musical Instrument Stores	5,200	5,100	5,100	5,100	5,000	5,000	5,200	5,100	5,100	5,200	5,700	6,000	5,200
Book, Periodical and Music Stores	2,800	3,100	3,000	2,900	2,900	2,700	2,700	2,700	3,000	3,100	3,200	3,200	2,900
General Merchandise Stores	20,100	19,600	19,300	19,600	19,800	20,000	19,600	19,800	20,000	20,700	23,700	25,300	20,600
Department Stores	16,400	15,900	15,500	15,500	15,700	15,900	15,600	15,800	16,000	16,500	19,300	20,600	16,800
Other General Merchandise Stores	3,700	3,700	3,700	4,100	4,100	4,100	4,000	4,000	4,100	4,200	4,500	4,700	4,100
Miscellaneous Store Retailers	10,600	10,600	10,600	10,800	10,900	10,800	10,600	10,600	10,600	10,800	11,000	11,400	10,800
Transportation, Warehousing and Utilities	28,500	28,600	29,000	29,900	30,400	30,700	30,900	30,300	29,900	29,600	29,800	29,900	29,800
Utilities	5,800	5,800	5,800	5,800	5,800	5,800	5,600	5,800	5,800	5,700	5,600	5,400	5,700
Transportation and Warehousing	22,700	22,800	23,200	24,100	24,600	24,900	25,300	24,500	24,100	23,900	24,200	24,500	24,100
Residual-Air Transportation	13,200	13,200	13,200	13,400	13,300	13,300	13,700	13,800	13,900	13,600	14,100	14,400	13,800
Truck Transportation	5,200	5,200	5,300	5,300	5,400	5,500	5,500	5,500	5,500	5,300	5,300	5,400	5,400
Warehousing and Storage	4,300	4,400	4,700	5,400	5,900	6,100	6,100	5,200	4,700	5,000	4,800	4,700	5,100

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Information	37,100	37,800	38,800	39,400	40,300	41,000	39,600	39,600	39,700	38,800	39,000	39,000	38,200
Publishing Industries (except Internet)	11,000	11,000	11,800	12,600	12,800	12,800	12,200	12,200	12,300	11,900	11,900	12,000	12,000
Newspaper, Periodical, Book and Directory Publishers	7,200	7,500	7,500	7,800	7,900	8,000	7,800	8,000	8,000	7,500	7,500	7,500	7,700
Software Publishers	3,500	3,800	4,300	4,800	4,900	4,800	4,400	4,200	4,300	4,400	4,400	4,400	4,400
Broadcasting (except Internet)	3,600	3,600	3,600	3,800	3,800	3,700	3,400	3,400	3,500	3,500	3,500	3,500	3,600
Telecommunications	15,500	15,800	15,800	15,500	15,300	15,700	15,500	15,400	15,600	15,600	15,600	15,400	15,600
Wireless Telecommunications Carriers	8,100	8,200	8,100	7,800	7,600	7,700	7,500	7,500	7,500	7,500	7,500	7,600	7,700
Telecommunications Resellers	5,500	5,800	5,900	5,700	6,000	6,200	6,300	6,200	6,300	6,400	6,500	6,400	6,100
Residual-Other Telecommunications	1,900	1,800	1,800	2,000	1,700	1,800	1,700	1,700	1,800	1,700	1,600	1,400	1,700
Residual-Other Information Services	7,000	7,400	7,600	7,500	8,400	8,800	8,500	8,600	8,300	7,800	8,000	8,100	8,000
Financial Activities	70,000	70,500	70,800	70,900	71,100	71,500	71,200	71,300	71,100	71,500	71,800	72,100	71,200
Finance and Insurance	43,100	43,500	43,600	43,900	43,900	44,100	43,900	43,900	43,900	44,400	44,500	44,700	44,000
Residual-Other Finance	300	400	400	400	500	400	500	400	500	500	400	500	400
Credit Intermediation and Related Activities	20,700	20,800	20,800	20,600	20,500	20,500	20,100	20,100	20,000	20,300	20,300	20,300	20,400
Securities, Commodity Contracts and Investments	7,000	7,100	7,200	7,300	7,300	7,400	7,600	7,600	7,700	7,800	7,900	7,900	7,500
Insurance Carriers and Related	15,100	15,200	15,200	15,600	15,600	15,800	15,700	15,800	15,700	15,800	15,900	16,000	15,600
Real Estate and Rental and Leasing	26,900	27,000	27,200	27,000	27,200	27,400	27,300	27,400	27,200	27,100	27,300	27,400	27,200
Real Estate	19,500	19,400	19,600	19,500	19,600	19,600	19,500	19,500	19,500	19,300	19,500	19,500	19,500
Residual-Rental and Leasing Services	7,400	7,600	7,600	7,500	7,600	7,800	7,800	7,900	7,700	7,800	7,800	7,900	7,700
Professional and Business Services	186,900	189,000	192,400	191,300	191,900	194,200	195,700	198,600	200,100	199,800	200,200	201,800	195,200
Professional, Scientific and Technical Services	87,500	88,800	89,600	90,200	89,900	91,400	92,800	94,200	94,500	95,400	96,200	97,200	92,300
Legal Services	10,300	10,400	10,400	10,400	10,500	10,700	10,400	10,500	10,400	10,600	10,600	10,800	10,800
Architectural, Engineering and Related Services	15,300	15,400	15,500	16,400	16,500	16,800	16,900	17,300	17,200	17,900	18,300	18,100	16,800
Scientific Research and Development Services	21,500	21,600	21,400	20,900	20,900	21,000	21,100	21,000	21,000	20,900	21,200	21,500	21,200
Residual-Other Professional, Scientific and Technical Services	40,400	41,400	42,300	42,500	42,000	42,900	44,400	45,400	45,900	46,000	46,100	46,800	43,800
Management of Companies and Enterprises	18,600	18,700	18,700	18,700	18,800	18,800	18,300	18,200	18,500	18,700	18,900	18,900	18,700
Administrative and Support and Waste Services	80,800	81,500	84,100	82,400	83,200	84,000	84,600	86,200	87,100	85,700	85,100	85,700	84,200
Administrative and Support Services	78,600	79,300	81,900	80,300	81,100	82,000	82,500	84,100	84,900	83,600	83,000	83,600	82,100
Employment Services	37,800	38,400	40,700	39,400	39,900	40,400	41,000	42,400	43,400	41,600	41,300	42,000	40,700
Investigation and Security Services	6,600	6,700	6,600	6,700	6,900	6,900	6,700	6,900	6,900	6,800	6,700	6,600	6,800
Services to Buildings and Dwellings	19,100	19,200	19,300	19,600	19,800	20,100	20,300	20,400	20,200	20,400	20,300	20,100	19,900
Residual-Other Support Services	15,100	15,000	15,300	14,600	14,500	14,600	14,500	14,400	14,400	14,800	14,700	14,900	14,700
Waste Management and Remediation Services	2,200	2,200	2,200	2,100	2,100	2,000	2,100	2,100	2,200	2,100	2,100	2,100	2,100

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Educational and Health Services	113,700	115,600	116,000	115,000	115,600	115,100	114,300	114,200	115,100	116,300	116,300	116,800	115,300
Educational Services	17,300	18,400	18,700	18,600	18,800	17,600	17,000	16,800	17,600	19,400	19,200	18,800	18,200
Residual-Elementary and Secondary Schools	12,000	13,000	13,000	13,000	13,200	12,600	12,200	11,900	12,200	13,600	13,500	13,300	12,800
Colleges, Universities and Professional Schools	5,300	5,400	5,700	5,600	5,600	5,000	4,800	4,900	5,400	5,800	5,700	5,500	5,400
Health Care and Social Assistance	96,400	97,200	97,300	96,400	96,800	97,500	97,300	97,400	97,500	96,900	97,100	98,000	97,200
Ambulatory Health Care Services	40,500	40,700	40,900	40,700	40,800	41,600	41,100	41,200	41,200	41,200	41,200	41,600	41,100
Hospitals	22,500	22,600	22,400	22,100	22,100	22,000	22,300	22,200	22,300	22,300	22,300	22,600	22,300
Nursing and Residential Care Facilities	16,800	17,000	17,000	16,900	17,000	17,100	17,100	17,300	17,400	17,100	17,100	17,200	17,100
Social Assistance	16,600	16,900	17,000	16,700	16,900	16,800	16,800	16,700	16,600	16,300	16,500	16,600	16,700
Leisure and Hospitality	121,800	123,500	125,500	127,400	129,600	131,800	132,000	134,200	132,900	130,300	129,100	129,400	129,000
Arts, Entertainment, and Recreation	16,400	16,700	17,400	17,500	18,400	19,000	18,300	19,300	18,500	17,800	17,200	17,200	17,800
Amusement, Gambling, and Recreation	11,600	11,800	12,100	12,000	12,200	12,600	12,000	12,200	12,100	12,000	11,900	11,900	12,000
Residual-Other Amusement and Recreation	4,800	4,900	5,300	5,500	6,200	6,400	6,300	7,100	6,400	5,800	5,300	5,300	6,800
Accommodation and Food Service	105,400	106,800	108,100	109,900	111,200	112,800	113,700	114,900	114,400	112,500	111,900	112,200	111,200
Accommodation	25,100	25,300	25,600	26,000	26,500	27,000	27,700	28,000	27,600	26,400	26,300	26,200	26,500
Food Services and Drinking Places	80,300	81,500	82,500	83,900	84,700	85,800	86,000	86,900	86,800	86,100	85,600	86,000	84,700
Full-Service Restaurants	38,500	39,500	40,000	40,700	41,200	41,700	42,000	42,100	42,300	42,000	41,900	42,100	41,200
Residual-Limited-Service Eating Places	41,800	42,000	42,500	43,200	43,500	44,100	44,000	44,800	44,500	44,100	43,700	43,900	43,500
Other Services	41,100	41,600	42,100	42,200	42,300	43,000	42,700	42,300	42,400	42,000	42,000	42,600	42,200
Repair and Maintenance	12,900	13,000	13,200	13,400	13,300	13,400	13,300	13,000	12,800	12,600	12,500	12,600	13,000
Personal and Laundry Services	13,100	13,200	13,400	13,300	13,500	13,700	13,400	13,700	13,900	13,700	13,700	14,000	13,600
Religious, Grantmaking, Civic, Professional and Similar Organizations	15,100	15,400	15,500	15,500	15,500	15,900	16,000	15,600	15,700	15,700	15,800	16,000	15,600

*March 2002 Benchmark figures.

San Diego County
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Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	207,100	208,200	210,600	209,200	213,500	209,500	195,200	192,400	201,400	208,900	211,500	211,900	208,600
Federal Government	42,400	42,300	42,600	42,400	46,100	42,100	42,300	41,200	41,000	40,800	40,700	40,700	42,100
Other Federal Government	21,000	21,000	21,300	21,100	24,900	20,900	21,200	20,100	19,900	19,800	19,800	19,800	20,900
Department of Defense	21,400	21,300	21,300	21,300	21,200	21,200	21,100	21,100	21,100	21,000	20,900	20,900	21,200
State and Local Government	164,700	165,900	168,000	166,800	167,400	167,400	152,900	151,200	160,400	168,100	170,800	171,200	164,500
State Government	34,200	34,500	35,300	35,900	35,700	35,900	33,200	33,000	33,900	35,700	36,300	35,900	35,000
State Government Education	22,500	22,800	23,600	23,800	23,500	23,500	20,800	20,600	21,300	23,200	23,900	23,400	22,700
Other State Government	11,700	11,700	11,700	11,700	12,100	12,200	12,400	12,400	12,400	12,600	12,500	12,400	12,200
Local Government	130,500	131,400	132,700	130,900	131,700	131,500	119,700	118,200	126,500	132,400	134,500	135,300	129,600
Local Government Education	76,100	77,100	78,000	77,000	77,200	76,000	64,100	62,300	70,700	75,700	77,000	77,700	74,100
County	18,100	17,900	18,100	17,900	18,000	18,000	18,100	18,300	18,300	18,600	18,800	18,500	18,200
City	18,300	18,400	18,600	18,700	18,800	19,300	19,400	19,400	19,200	19,100	19,100	19,000	18,900
Other Local Government	18,000	18,000	18,000	17,300	17,700	18,200	18,100	18,200	18,300	19,000	19,600	20,100	18,400

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,207,300	1,216,600	1,225,500	1,229,200	1,237,500	1,241,500	1,223,000	1,225,300	1,228,500	1,236,500	1,241,700	1,244,900	1,229,800
Total Farm	10,400	11,000	11,500	11,500	11,900	11,900	11,900	12,100	11,900	11,100	10,700	10,400	11,400
Total Nonfarm	1,196,900	1,205,600	1,214,000	1,217,700	1,225,600	1,229,600	1,211,100	1,213,200	1,216,600	1,225,400	1,231,000	1,234,500	1,218,400
Total Private	986,900	993,000	999,300	1,000,800	1,006,300	1,011,600	1,008,700	1,011,900	1,006,900	1,006,900	1,009,900	1,013,800	1,004,700
Goods Producing	192,900	193,800	195,000	194,900	196,000	196,200	195,900	196,400	194,100	193,800	192,800	191,400	194,400
Natural Resources and Mining	300	300	300	300	300	300	300	300	300	300	300	300	300
Construction	72,200	72,400	73,000	73,800	75,400	75,800	76,100	77,300	76,300	76,900	76,300	75,700	76,100
Construction of Buildings	15,900	16,100	16,100	16,100	16,200	16,400	16,400	16,600	16,400	16,300	16,200	16,200	16,200
Heavy and Civil Engineering Construction	9,100	8,700	8,800	8,900	9,000	8,800	8,800	8,900	8,800	8,800	8,700	8,800	8,800
Specialty Trade Contractors	47,200	47,600	48,100	48,800	50,200	50,600	50,900	51,800	51,100	51,800	51,400	50,700	50,000
Building Foundation and Exterior Contractors	11,300	11,700	11,800	12,100	12,800	13,000	13,200	13,400	12,800	13,000	12,900	12,400	12,500
Building Equipment Contractors	15,800	15,900	15,900	16,200	16,400	16,500	16,800	16,900	16,700	16,800	16,800	16,800	16,500
Building Finishing Contractors	14,600	14,500	14,800	14,800	15,000	15,100	15,100	15,400	15,600	15,900	15,500	15,400	15,100
Residual-Other Specialty Trade Contract	5,500	5,500	5,600	5,700	6,000	6,000	5,800	6,100	6,000	6,100	6,200	6,100	5,900
Manufacturing	120,400	121,100	121,700	120,800	120,300	120,100	119,500	118,800	117,500	116,600	116,200	115,400	119,000
Durable Goods	90,500	91,100	91,600	90,800	90,100	89,900	89,300	88,600	87,600	87,500	87,300	86,800	89,300
Machinery Manufacturing	9,300	9,300	9,300	9,200	9,200	9,200	9,800	9,700	9,600	9,400	9,400	9,400	9,400
Computer and Electronic Product Manufacturing	31,600	32,100	32,300	32,000	31,500	31,100	30,400	29,800	29,400	28,700	28,300	28,200	30,500
Computer and Peripheral Equipment Manufacturing	5,500	5,600	5,600	5,600	5,600	5,600	5,500	5,500	5,500	5,400	5,300	5,300	5,500
Communications Equipment Manufacturing	5,600	5,800	5,900	5,800	5,900	5,900	5,800	5,600	5,600	5,400	5,200	5,100	5,600
Audio and Video Equipment Manufacturing	3,400	3,400	3,400	3,300	3,100	3,200	2,900	2,900	2,800	2,700	2,700	2,800	3,100
Residual-Semiconductor and Electronic Component Manufacturing	10,700	10,800	10,900	10,900	10,600	10,200	10,100	9,800	9,600	9,400	9,500	9,400	10,200
Electronic Instrument Manufacturing	6,400	6,500	6,500	6,400	6,300	6,200	6,100	6,000	5,900	5,800	5,600	5,600	6,100
Transportation Equipment Manufacturing	13,000	13,100	13,300	13,200	13,100	13,100	13,000	12,900	12,600	13,600	13,900	13,700	13,200
Residual-Motor Vehicle Manufacturing	1,500	1,600	1,500	1,500	1,600	1,600	1,500	1,400	1,500	1,500	1,500	1,500	1,500
Aerospace Product and Parts Manufacturing	6,100	6,100	6,300	6,400	6,400	6,400	6,500	6,500	6,400	6,600	6,600	6,400	6,400
Ship and Boat Building	5,400	5,400	5,500	5,300	5,100	5,100	5,000	5,000	4,700	5,500	5,800	5,800	5,300
Residual-Miscellaneous Manufacturing	36,600	36,600	36,700	36,400	36,300	36,500	36,100	36,200	36,000	35,800	35,700	35,500	36,200
Nondurable Goods	29,900	30,000	30,100	30,000	30,200	30,200	30,200	30,200	29,900	29,100	28,900	28,600	29,800

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Service Providing	1,004,000	1,011,800	1,019,000	1,022,800	1,029,600	1,033,400	1,015,200	1,016,800	1,022,500	1,031,600	1,038,200	1,043,100	1,024,000
Trade, Transportation and Utilities	208,100	206,600	206,500	206,500	207,600	209,000	208,500	208,400	207,700	209,800	213,100	216,300	209,000
Wholesale Trade	40,500	41,000	41,100	41,200	42,300	42,800	41,300	41,400	41,200	41,500	41,500	41,700	41,500
Merchant Wholesalers, Durable Goods	24,200	24,500	24,700	24,600	25,100	25,400	24,500	24,600	24,500	24,600	24,400	24,600	24,600
Merchant Wholesalers, Nondurable Goods	13,200	13,400	13,200	13,400	13,500	13,700	13,500	13,500	13,400	13,300	13,300	13,400	13,400
Wholesale Electronic Markets and Agents and Brokers	3,100	3,100	3,200	3,200	3,700	3,700	3,300	3,300	3,300	3,600	3,800	3,700	3,400
Retail Trade	136,300	134,200	133,600	133,100	133,300	134,100	134,300	134,800	135,000	135,600	139,700	143,100	136,600
Motor Vehicle and Parts Dealer	18,700	19,000	18,900	19,300	19,400	19,400	19,600	19,900	19,600	19,500	19,300	19,100	19,300
Residual-Furniture and Home Furnishings Stores	23,000	22,700	22,700	22,200	22,500	22,200	22,000	21,900	21,800	21,900	22,100	22,100	22,300
Building Material and Garden Equipment Stores	9,400	9,500	9,600	9,700	9,800	9,800	9,700	9,600	9,600	9,500	9,400	9,500	9,600
Food and Beverage Stores	22,200	22,100	22,000	22,100	21,800	21,900	22,500	22,500	22,900	23,600	23,500	23,600	22,600
Grocery Stores	19,200	19,100	19,000	19,100	18,900	19,000	19,600	19,600	20,000	20,600	20,300	20,300	19,600
Residual-Specialty Food Stores	3,000	3,000	3,000	3,000	2,900	2,900	2,900	2,900	2,900	3,000	3,200	3,300	3,000
Health and Personal Care Stores	7,900	7,900	8,000	7,900	7,800	8,000	7,800	7,900	8,000	8,100	8,200	8,300	8,000
Clothing and Clothing Accessories Stores	15,100	14,300	14,200	14,200	14,200	14,800	14,800	14,700	14,400	14,200	15,400	16,400	14,700
Clothing Stores	12,000	11,300	11,300	11,200	11,200	11,700	11,800	11,600	11,300	11,100	12,100	13,000	11,600
Residual-Shoe Stores	3,100	3,000	2,900	3,000	3,000	3,100	3,000	3,100	3,100	3,100	3,300	3,400	3,100
Sporting Goods, Hobby, Book and Music Stores	8,100	8,300	8,200	8,000	7,900	7,700	7,700	8,000	8,200	8,100	8,600	9,100	8,200
Sporting Goods, Hobby and Musical Instrument Stores	5,300	5,200	5,100	5,100	5,000	5,000	5,100	5,200	5,100	5,100	5,600	5,900	5,200
Book, Periodical and Music Stores	2,800	3,100	3,100	2,900	2,900	2,700	2,600	2,800	3,100	3,000	3,000	3,200	2,900
General Merchandise Stores	20,900	19,500	19,400	19,200	19,400	19,800	19,600	19,700	19,900	20,000	22,200	23,700	20,300
Department Stores	16,800	15,500	15,500	15,200	15,400	15,700	15,500	15,600	15,600	15,700	17,700	18,700	16,100
Other General Merchandise Stores	4,100	4,000	3,900	4,000	4,000	4,100	4,100	4,100	4,300	4,300	4,500	5,000	4,200
Miscellaneous Store Retailers	11,000	10,900	10,600	10,500	10,500	10,500	10,600	10,600	10,600	10,700	11,000	11,300	10,700
Transportation, Warehousing and Utilities	31,300	31,400	31,800	32,200	32,000	32,100	32,900	32,200	31,500	32,700	31,900	31,500	32,000
Utilities	7,100	7,100	7,100	6,900	7,000	7,000	6,800	6,800	6,900	6,800	6,800	6,900	6,900
Transportation and Warehousing	24,200	24,300	24,700	25,300	25,000	25,100	26,100	25,400	24,600	25,900	25,100	24,600	25,000
Residual-Air Transportation	14,100	14,200	14,400	14,000	14,000	14,200	14,300	14,300	14,100	14,500	14,400	14,300	14,200
Truck Transportation	5,300	5,200	5,200	5,200	5,200	5,300	5,500	5,500	5,400	5,300	5,200	5,200	5,300
Warehousing and Storage	4,800	4,900	5,100	6,100	5,800	5,600	6,300	5,600	5,100	6,100	5,500	5,100	5,500

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Information	39,100	39,100	39,300	39,200	39,100	39,300	38,700	38,700	38,100	38,000	38,300	38,300	38,800
Publishing Industries (except Internet)	12,100	12,100	12,200	11,600	11,600	11,600	11,800	11,800	11,800	11,900	11,900	12,000	11,900
Newspaper, Periodical, Book and Directory Publishers	7,500	7,500	7,600	7,200	7,200	7,200	7,400	7,300	7,300	7,300	7,300	7,300	7,300
Software Publishers	4,600	4,600	4,600	4,400	4,400	4,400	4,400	4,500	4,500	4,600	4,600	4,700	4,600
Broadcasting (except Internet)	3,500	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
Telecommunications	15,900	16,100	16,400	16,200	16,200	16,300	16,600	16,700	16,600	16,800	17,200	17,300	16,500
Wireless Telecommunications Carriers	7,600	7,700	7,800	7,900	7,900	8,100	8,300	8,300	8,200	8,300	8,300	8,200	8,100
Telecommunications Resellers	6,600	6,700	6,900	6,800	6,800	6,700	6,900	6,900	6,900	7,000	7,400	7,600	6,900
Residual-Other Telecommunications	1,700	1,700	1,700	1,500	1,500	1,500	1,400	1,500	1,500	1,500	1,500	1,500	1,500
Residual-Other Information Services	7,600	7,500	7,300	8,000	7,900	8,000	6,900	6,800	6,300	5,900	5,800	5,600	7,000
Financial Activities	70,100	70,900	71,300	71,400	71,700	72,300	72,500	73,000	72,500	72,500	72,900	73,400	72,000
Finance and Insurance	43,500	44,200	44,600	44,500	44,700	44,800	44,900	45,100	45,000	45,400	45,700	46,200	44,900
Residual-Other Finance	400	600	500	600	500	600	600	600	500	500	500	700	600
Credit Intermediation and Related Activities	20,100	20,300	20,700	20,700	20,800	20,900	21,100	21,200	21,300	21,700	21,800	22,000	21,100
Securities, Commodity Contracts and Investments	7,600	7,600	7,600	7,700	7,700	7,700	7,700	7,700	7,600	7,600	7,600	7,600	7,600
Insurance Carriers and Related	15,400	15,700	15,800	15,500	15,700	15,600	15,500	15,600	15,600	15,600	15,800	15,900	15,600
Real Estate and Rental and Leasing	26,600	26,700	26,700	26,900	27,000	27,500	27,600	27,900	27,500	27,100	27,200	27,200	27,200
Real Estate	19,000	19,000	19,100	19,100	19,200	19,400	19,500	19,700	19,400	19,700	19,800	19,800	19,400
Residual-Rental and Leasing Services	7,600	7,700	7,600	7,800	7,800	8,100	8,100	8,200	8,100	7,400	7,400	7,400	7,800
Professional and Business Services	195,800	198,200	199,200	197,900	198,000	198,500	196,100	197,500	197,800	198,600	200,300	200,500	198,200
Professional, Scientific and Technical Services	97,800	99,000	99,300	99,500	98,300	98,700	97,900	98,000	97,100	97,800	98,000	98,500	98,300
Legal Services	10,600	10,800	10,800	10,900	10,900	11,000	11,300	11,200	11,100	11,500	11,500	11,500	11,100
Architectural, Engineering and Related Services	16,900	17,100	17,200	18,200	18,400	18,700	18,100	18,500	18,500	18,800	19,100	19,400	18,200
Scientific Research and Development Services	24,700	24,900	24,900	24,300	24,100	24,200	24,200	24,000	23,600	23,600	23,600	23,500	24,100
Residual-Other Professional, Scientific and Technical Services	45,600	46,200	46,400	46,100	44,900	44,800	44,300	44,300	43,900	43,900	43,800	44,100	44,900
Management of Companies and Enterprises	17,800	18,200	18,300	18,200	18,300	18,100	18,000	18,500	18,900	19,200	19,700	20,100	18,600
Administrative and Support and Waste Services	80,200	81,000	81,600	80,200	81,400	81,700	80,200	81,000	81,800	81,600	82,600	81,900	81,300
Administrative and Support Services	78,100	78,800	79,400	78,000	79,300	79,500	77,900	78,700	79,500	79,300	80,300	79,500	79,000
Employment Services	37,000	37,000	37,200	36,500	36,900	36,700	35,000	35,600	36,600	36,100	36,800	36,200	36,500
Investigation and Security Services	6,900	7,200	7,300	7,100	7,400	7,400	7,600	7,700	7,800	8,300	8,400	8,500	7,600
Services to Buildings and Dwellings	19,100	19,400	19,600	19,700	19,900	20,100	20,000	20,000	19,700	19,800	19,600	19,300	19,700
Residual-Other Support Services	15,100	15,200	15,300	14,700	15,100	15,300	15,300	15,400	15,400	15,100	15,500	15,500	15,200
Waste Management and Remediation Services	2,100	2,200	2,200	2,200	2,100	2,200	2,300	2,300	2,300	2,300	2,300	2,400	2,200

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San Diego County
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(Data Not Seasonally Adjusted)
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Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Educational and Health Services	111,400	112,800	114,400	115,000	116,200	116,100	115,600	115,700	117,400	118,800	119,100	119,400	116,900
Educational Services	16,000	16,700	17,500	17,400	17,600	16,800	16,000	15,800	17,000	18,400	18,500	18,400	17,200
Residual-Elementary and Secondary Schools	11,000	11,400	11,400	11,500	11,700	11,800	11,400	11,300	11,600	12,100	12,200	12,200	11,600
Colleges, Universities and Professional Schools	5,000	5,300	6,100	5,900	5,900	5,000	4,600	4,500	5,400	6,300	6,300	6,200	5,600
Health Care and Social Assistance	95,400	96,100	96,900	97,600	98,600	99,300	99,600	99,900	100,400	100,400	100,600	101,000	98,800
Ambulatory Health Care Services	39,500	39,900	40,100	40,200	40,500	41,000	41,200	41,300	41,300	40,500	40,700	41,000	40,600
Hospitals	21,900	21,800	22,000	22,500	22,800	23,000	22,900	23,300	23,400	24,200	24,300	24,400	23,000
Nursing and Residential Care Facilities	17,200	17,400	17,400	17,400	17,500	17,500	17,900	18,000	18,000	17,900	17,800	17,700	17,600
Social Assistance	16,800	17,000	17,400	17,500	17,800	17,800	17,600	17,300	17,700	17,800	17,800	17,900	17,500
Leisure and Hospitality	126,700	128,300	129,600	131,600	132,700	134,000	135,500	136,400	133,100	130,500	128,600	129,400	131,400
Arts, Entertainment, and Recreation	16,300	16,800	17,300	17,900	18,200	18,400	19,100	19,000	18,000	17,100	16,200	16,100	17,500
Amusement, Gambling, and Recreation	10,600	10,800	10,800	11,000	11,100	11,200	11,000	11,000	10,600	10,900	10,900	11,000	10,900
Residual-Other Amusement and Recreation	5,700	6,000	6,500	6,900	7,100	7,200	8,100	8,000	7,400	6,200	5,300	5,100	6,600
Accommodation and Food Service	110,400	111,500	112,300	113,700	114,500	115,600	116,400	117,400	115,100	113,400	112,400	113,300	113,900
Accommodation	26,600	26,700	26,900	27,200	27,300	27,400	27,700	27,700	27,000	25,900	25,200	25,100	26,700
Food Services and Drinking Places	83,800	84,800	85,400	86,500	87,200	88,200	88,700	89,700	88,100	87,500	87,200	88,200	87,100
Full-Service Restaurants	40,700	41,400	42,000	42,900	43,000	43,200	43,600	43,900	43,500	43,000	42,700	42,800	42,700
Residual-Limited-Service Eating Places	43,100	43,400	43,400	43,600	44,200	45,000	45,100	45,800	44,600	44,500	44,500	45,400	44,400
Other Services	42,800	43,300	44,000	44,300	45,000	46,200	45,900	45,800	46,200	44,900	44,800	45,100	44,900
Repair and Maintenance	12,600	12,700	13,000	13,000	13,200	13,300	13,300	13,200	13,100	13,000	12,900	12,800	13,000
Personal and Laundry Services	13,600	13,700	14,000	14,000	14,000	14,300	14,000	13,800	13,800	13,500	13,500	13,600	13,800
Religious, Grantmaking, Civic, Professional and Similar Organizations	16,600	16,900	17,000	17,300	17,800	18,600	18,600	18,800	19,300	18,400	18,400	18,700	18,000

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Government	210,000	212,600	214,700	216,900	219,300	218,000	202,400	201,300	209,700	218,500	221,100	220,700	213,800
Federal Government	40,300	40,000	40,000	39,900	40,100	40,100	40,300	40,200	40,300	40,300	40,300	40,100	40,200
Other Federal Government	19,500	19,400	19,400	19,400	19,600	19,600	20,400	20,300	20,400	20,500	20,500	20,300	19,900
Department of Defense	20,800	20,600	20,600	20,500	20,500	20,500	19,900	19,900	19,900	19,800	19,800	19,800	20,200
State and Local Government	169,700	172,600	174,700	177,000	179,200	177,900	162,100	161,100	169,400	178,200	180,800	180,600	173,600
State Government	35,200	35,900	37,000	37,000	37,400	37,500	33,000	33,000	34,900	37,300	38,100	37,400	36,100
State Government Education	22,800	23,500	24,500	24,300	24,600	24,500	20,000	19,900	21,800	24,400	25,300	24,700	23,400
Other State Government	12,400	12,400	12,500	12,700	12,800	13,000	13,000	13,100	13,100	12,900	12,800	12,700	12,600
Local Government	134,500	136,700	137,700	140,000	141,800	140,400	129,100	128,100	134,500	140,900	142,700	143,200	137,500
Local Government Education	76,700	78,300	79,200	79,300	80,700	78,300	67,300	65,800	72,600	78,700	80,300	80,400	76,600
County	18,500	18,500	18,600	18,600	18,600	18,700	18,400	18,600	18,400	19,100	19,300	19,500	18,700
City	19,100	19,400	19,400	19,600	19,800	20,300	20,400	20,400	20,100	19,700	19,700	19,900	19,800
Other Local Government	20,200	20,500	20,500	22,500	22,700	23,100	23,000	23,300	23,400	23,400	23,400	23,400	22,500

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,216,400	1,227,400	1,234,900	1,244,500	1,251,200	1,258,400	1,229,500	1,234,600	1,233,500	1,246,700	1,246,900	1,247,500	1,239,300
Total Farm	9,500	9,800	10,500	10,900	11,200	11,300	11,200	11,300	11,200	11,500	10,700	10,100	10,900
Total Nonfarm	1,206,900	1,217,600	1,224,400	1,233,600	1,240,000	1,247,100	1,218,300	1,223,300	1,222,300	1,235,200	1,236,200	1,237,400	1,228,500
Total Private	987,000	994,800	1,000,700	1,010,200	1,016,800	1,023,600	1,004,300	1,009,700	1,008,100	1,010,800	1,012,500	1,012,400	1,007,600
Goods Producing	188,000	188,300	189,300	189,500	191,400	192,300	187,900	188,000	186,900	187,700	187,000	186,700	188,600
Natural Resources and Mining	300	300	300	400	400	400	300	300	300	400	300	300	300
Construction	73,500	73,200	73,900	75,600	77,200	77,900	76,300	77,300	76,700	76,700	76,900	76,900	76,900
Construction of Buildings	15,600	15,600	15,700	16,000	16,300	16,600	16,200	16,600	16,400	16,000	16,000	15,900	16,100
Heavy and Civil Engineering Construction	8,400	8,300	8,300	8,800	9,400	9,400	8,700	8,800	8,900	8,900	8,600	8,700	8,800
Specialty Trade Contractors	49,500	49,300	49,900	50,800	51,500	51,900	51,400	51,900	51,400	51,800	52,300	52,300	51,200
Building Foundation and Exterior Contractors	12,500	12,100	12,200	12,800	12,900	13,000	12,900	13,000	12,800	13,100	12,900	13,100	12,800
Building Equipment Contractors	16,400	16,400	16,500	16,500	16,600	16,700	16,700	17,000	16,600	16,100	17,300	17,500	16,700
Building Finishing Contractors	14,600	14,800	15,100	15,200	15,700	15,800	15,700	15,600	15,700	16,100	15,600	15,400	16,400
Residual-Other Specialty Trade Contract	6,000	6,000	6,100	6,300	6,300	6,400	6,100	6,300	6,300	6,500	6,500	6,300	6,300
Manufacturing	114,200	114,800	115,100	113,500	113,800	114,000	111,300	110,400	109,900	110,600	109,800	109,500	112,200
Durable Goods	86,700	87,100	87,100	85,700	85,600	85,700	83,500	82,600	82,300	82,700	82,300	82,200	84,500
Machinery Manufacturing	9,500	9,600	9,600	9,500	9,500	9,500	9,300	9,300	9,300	9,400	9,300	9,300	9,400
Computer and Electronic Product Manufacturing	27,300	27,500	27,300	27,300	27,100	26,900	25,700	25,500	25,400	25,400	25,500	25,800	26,400
Computer and Peripheral Equipment Manufacturing	5,200	5,200	5,200	5,100	5,100	5,200	5,100	5,100	5,200	5,200	5,200	5,300	5,200
Communications Equipment Manufacturing	5,200	5,300	5,200	5,200	5,200	5,000	4,700	4,700	4,600	4,800	4,800	4,900	5,000
Audio and Video Equipment Manufacturing	2,700	2,700	2,700	2,600	2,600	2,600	2,400	2,300	2,300	2,300	2,300	2,300	2,500
Residual-Semiconductor and Electronic Component Manufacturing	8,600	8,700	8,600	9,100	8,900	8,800	8,400	8,300	8,200	7,700	7,900	8,300	8,800
Electronic Instrument Manufacturing	5,600	5,600	5,600	5,300	5,300	5,300	5,100	5,100	5,100	5,400	5,300	5,000	5,300
Transportation Equipment Manufacturing	13,400	13,400	13,500	13,600	13,700	13,600	13,600	13,300	13,200	13,400	13,200	12,900	13,400
Residual-Motor Vehicle Manufacturing	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,300	1,500	1,500
Aerospace Product and Parts Manufacturing	6,200	6,300	6,300	6,000	5,900	5,800	5,800	5,800	5,600	5,600	5,700	5,500	5,900
Ship and Boat Building	5,700	5,600	5,700	6,100	6,300	6,300	6,300	6,000	6,100	6,300	6,200	5,900	6,000
Residual-Miscellaneous Manufacturing	36,500	36,600	36,700	35,300	35,300	35,700	34,900	34,500	34,400	34,500	34,300	34,200	35,200
Nondurable Goods	27,500	27,700	28,000	27,800	28,200	28,300	27,800	27,800	27,600	27,900	27,500	27,300	27,800

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Service Providing	1,018,900	1,029,300	1,035,100	1,044,100	1,048,600	1,054,800	1,030,400	1,035,300	1,035,400	1,047,500	1,049,200	1,050,700	1,038,900
Trade, Transportation and Utilities	206,600	205,400	206,300	208,600	209,600	211,600	208,500	209,200	209,700	209,900	213,200	214,500	209,400
Wholesale Trade	40,400	40,800	40,900	41,600	41,700	42,000	41,200	41,400	41,300	41,100	41,400	41,400	41,300
Merchant Wholesalers, Durable Goods	23,900	24,100	24,100	24,600	24,500	24,600	23,800	23,700	23,500	23,300	23,400	23,400	23,800
Merchant Wholesalers, Nondurable Goods	12,700	13,000	13,000	13,100	13,200	13,400	13,300	13,400	13,400	13,300	13,600	13,600	13,300
Wholesale Electronic Markets and Agents and Brokers	3,800	3,700	3,800	3,900	4,000	4,000	4,100	4,300	4,400	4,500	4,400	4,400	4,100
Retail Trade	136,100	134,200	134,900	135,700	136,400	138,000	135,900	136,700	138,000	138,400	142,000	143,600	137,500
Motor Vehicle and Parts Dealer	18,900	19,200	19,200	19,600	19,800	20,000	19,800	19,800	19,800	19,900	19,900	19,700	19,600
Residual-Furniture and Home Furnishings Stores	21,900	21,900	21,900	22,200	22,200	22,500	21,300	21,400	21,500	21,000	21,700	21,600	21,800
Building Material and Garden Equipment Stores	9,500	9,500	9,900	10,100	10,200	10,500	10,100	10,200	10,900	10,800	10,700	10,600	10,300
Food and Beverage Stores	23,200	23,200	23,200	22,900	23,000	23,200	23,100	23,100	23,300	23,600	23,500	23,600	23,200
Grocery Stores	20,200	20,100	20,100	19,900	20,000	20,100	20,100	20,100	20,300	20,200	20,400	20,400	20,200
Residual-Specialty Food Stores	3,000	3,100	3,100	3,000	3,000	3,100	3,000	3,000	3,000	3,400	3,100	3,200	3,100
Health and Personal Care Stores	8,000	7,900	8,000	7,700	7,700	7,900	7,800	7,800	7,900	7,800	7,800	7,900	7,900
Clothing and Clothing Accessories Stores	14,900	13,900	14,100	14,200	14,200	14,900	15,000	15,100	14,800	14,900	16,200	16,800	14,900
Clothing Stores	11,700	10,800	11,100	11,100	11,100	11,800	11,900	11,900	11,700	11,800	13,200	13,700	11,800
Residual-Shoe Stores	3,200	3,100	3,000	3,100	3,100	3,100	3,100	3,200	3,100	3,100	3,000	3,100	3,100
Sporting Goods, Hobby, Book and Music Stores	8,300	8,200	8,200	8,300	8,300	8,000	7,900	8,200	8,500	8,700	8,600	8,900	8,300
Sporting Goods, Hobby and Musical Instrument Stores	5,300	5,100	5,200	5,300	5,300	5,300	5,200	5,200	5,200	5,300	5,300	5,400	5,300
Book, Periodical and Music Stores	3,000	3,100	3,000	3,000	3,000	2,700	2,700	3,000	3,300	3,400	3,300	3,500	3,100
General Merchandise Stores	20,700	19,500	19,700	19,800	19,900	20,100	20,200	20,300	20,500	21,100	22,800	23,700	20,700
Department Stores	16,300	15,300	15,400	15,400	15,600	15,800	15,900	16,000	16,200	16,700	18,300	19,000	16,300
Other General Merchandise Stores	4,400	4,200	4,300	4,400	4,300	4,300	4,300	4,300	4,300	4,400	4,500	4,700	4,400
Miscellaneous Store Retailers	10,700	10,900	10,700	10,900	11,100	10,900	10,700	10,800	10,800	10,600	10,800	10,800	10,800
Transportation, Warehousing and Utilities	30,100	30,400	30,500	31,300	31,500	31,600	31,400	31,100	30,400	30,400	29,800	29,500	30,700
Utilities	6,700	6,900	6,900	7,000	6,700	6,300	6,200	6,300	6,300	6,300	6,400	6,400	6,500
Transportation and Warehousing	23,400	23,500	23,600	24,300	24,800	25,300	25,200	24,800	24,100	24,100	23,400	23,100	24,100
Residual-Air Transportation	13,300	13,400	13,400	13,600	13,800	14,000	13,600	13,700	13,700	13,700	13,500	13,400	13,600
Truck Transportation	5,000	5,000	5,000	5,200	5,200	5,300	5,200	5,200	5,300	5,100	5,000	5,000	5,100
Warehousing and Storage	5,100	5,100	5,200	5,500	5,800	6,000	6,400	5,900	5,100	5,300	4,900	4,700	5,400

*March 2002 Benchmark figures.

San Diego County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Information	38,000	38,000	38,200	38,200	38,200	38,000	37,000	36,700	36,400	36,200	36,200	35,700	37,200
Publishing Industries (except Internet)	11,700	11,700	11,700	12,100	12,100	12,000	11,500	11,300	11,200	12,300	12,200	12,000	11,800
Newspaper, Periodical, Book and Directory Publishers	7,100	7,200	7,100	7,300	7,300	7,200	7,000	6,900	6,800	7,000	7,100	7,000	7,100
Software Publishers	4,600	4,500	4,600	4,800	4,800	4,800	4,500	4,400	4,400	5,300	5,100	5,000	4,700
Broadcasting (except Internet)	3,400	3,400	3,400	3,400	3,400	3,400	3,500	3,500	3,400	3,300	3,300	3,300	3,400
Telecommunications	17,300	17,300	17,400	17,100	17,000	16,800	16,400	16,300	16,100	15,900	15,900	15,500	16,600
Wireless Telecommunications Carriers	8,200	8,200	8,300	8,200	8,200	8,100	8,100	8,100	8,100	8,100	8,200	8,100	8,200
Telecommunications Resellers	7,600	7,600	7,700	7,500	7,400	7,300	7,100	7,000	6,900	6,900	6,900	6,600	7,200
Residual-Other Telecommunications	1,500	1,500	1,400	1,400	1,400	1,400	1,200	1,200	1,100	900	800	800	1,200
Residual-Other Information Services	5,600	5,600	5,700	5,600	5,700	5,800	5,600	5,600	5,700	4,700	4,800	4,900	5,400
Financial Activities	72,100	73,000	73,400	73,900	74,500	74,700	74,000	74,600	74,500	74,000	73,500	73,100	73,800
Finance and Insurance	45,500	46,200	46,300	46,100	46,400	46,500	46,000	46,500	46,700	46,500	46,700	46,700	46,300
Residual-Other Finance	600	800	800	800	800	900	800	900	900	900	900	800	800
Credit Intermediation and Related Activities	21,600	21,800	22,000	22,200	22,400	22,400	22,600	22,800	23,100	23,100	23,200	23,100	22,500
Securities, Commodity Contracts and Investments	7,600	7,600	7,500	7,600	7,600	7,600	7,600	7,700	7,600	7,700	7,600	7,700	7,600
Insurance Carriers and Related	15,700	16,000	16,000	15,500	15,600	15,600	15,000	15,100	15,100	14,800	15,000	15,100	15,400
Real Estate and Rental and Leasing	26,600	26,800	27,100	27,800	28,100	28,200	28,000	28,100	27,800	27,500	26,800	26,400	27,400
Real Estate	19,400	19,700	20,000	20,500	20,600	20,700	20,600	20,700	20,500	20,300	20,300	20,200	20,300
Residual-Rental and Leasing Services	7,200	7,100	7,100	7,300	7,500	7,500	7,400	7,400	7,300	7,200	6,500	6,200	7,100
Professional and Business Services	197,500	200,500	201,700	201,200	201,200	202,800	200,200	202,000	202,000	202,600	202,300	201,900	201,300
Professional, Scientific and Technical Services	99,600	100,900	101,300	101,100	100,200	100,600	99,700	100,500	99,600	100,100	99,900	99,800	100,300
Legal Services	11,100	11,200	11,200	11,400	11,400	11,500	11,200	11,300	11,200	11,300	11,200	11,000	11,300
Architectural, Engineering and Related Services	18,900	18,900	19,000	19,100	19,100	19,100	18,900	18,900	18,800	18,900	18,800	18,700	18,900
Scientific Research and Development Services	24,300	24,600	24,400	24,400	24,400	24,600	25,300	25,200	24,700	25,000	25,100	25,200	24,800
Residual-Other Professional, Scientific and Technical Services	45,300	46,200	46,700	46,200	45,300	45,400	44,300	45,100	44,900	44,900	44,800	44,900	45,300
Management of Companies and Enterprises	20,100	20,300	20,200	20,400	20,500	20,500	19,800	19,900	20,000	19,600	19,800	19,600	20,100
Administrative and Support and Waste Services	77,800	79,300	80,200	79,700	80,500	81,700	80,700	81,600	82,400	82,900	82,600	82,500	81,000
Administrative and Support Services	75,500	77,000	77,900	77,500	78,400	79,500	78,500	79,400	80,200	80,600	80,200	80,100	78,700
Employment Services	32,600	33,800	35,000	33,700	34,300	35,200	35,000	35,400	36,300	36,900	36,700	37,300	35,200
Investigation and Security Services	8,300	8,600	8,500	8,400	8,400	8,500	8,200	8,400	8,500	8,500	8,700	8,500	8,500
Services to Buildings and Dwellings	19,200	19,300	19,200	20,000	20,400	20,500	20,200	20,200	20,100	19,900	19,600	19,000	19,800
Residual-Other Support Services	15,400	15,300	15,200	15,400	15,300	15,300	15,100	15,400	15,300	15,300	15,200	15,300	15,300
Waste Management and Remediation Services	2,300	2,300	2,300	2,200	2,100	2,200	2,200	2,200	2,200	2,300	2,400	2,400	2,300

*March 2002 Benchmark figures.

San Diego County
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(Data Not Seasonally Adjusted)
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Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Educational and Health Services	117,800	120,200	120,300	120,400	120,900	120,100	116,000	116,000	117,500	118,300	118,600	118,200	118,700
Educational Services	17,500	18,500	18,300	17,900	17,900	17,000	14,800	14,800	15,700	16,500	16,700	16,200	16,800
Residual-Elementary and Secondary Schools	11,400	11,900	11,700	11,300	11,400	11,300	10,900	10,900	11,200	11,700	12,000	11,700	11,500
Colleges, Universities and Professional Schools	6,100	6,600	6,600	6,600	6,500	5,700	3,900	3,900	4,500	4,800	4,700	4,500	5,400
Health Care and Social Assistance	100,300	101,700	102,000	102,500	103,000	103,100	101,200	101,200	101,800	101,800	101,900	102,000	101,900
Ambulatory Health Care Services	42,300	42,800	43,000	43,700	43,800	43,900	43,100	43,300	43,200	42,900	43,000	43,200	43,200
Hospitals	22,800	22,900	23,000	23,300	23,300	23,300	23,000	23,000	23,100	23,200	23,200	23,100	23,100
Nursing and Residential Care Facilities	17,700	17,900	17,800	17,400	17,500	17,600	17,800	17,900	17,900	17,700	17,900	18,100	17,800
Social Assistance	17,500	18,100	18,200	18,100	18,400	18,300	17,300	17,000	17,600	18,000	17,800	17,600	17,800
Leisure and Hospitality	123,700	125,500	127,000	132,500	134,500	136,700	134,800	137,000	134,200	133,700	133,400	133,500	132,200
Arts, Entertainment, and Recreation	15,300	15,500	16,000	17,100	17,500	18,500	18,100	19,100	18,100	18,200	18,100	18,100	17,500
Amusement, Gambling, and Recreation	10,700	10,900	11,000	12,000	12,100	12,600	12,000	12,000	11,400	11,400	11,700	11,900	11,600
Residual-Other Amusement and Recreation	4,600	4,600	5,000	5,100	5,400	5,900	6,100	7,100	6,700	6,800	6,400	6,200	5,800
Accommodation and Food Service	108,400	110,000	111,000	115,400	117,000	118,200	116,700	117,900	116,100	115,500	115,300	115,400	114,700
Accommodation	23,600	24,000	24,500	25,000	25,400	26,000	26,000	26,000	25,500	25,400	25,300	25,400	25,200
Food Services and Drinking Places	84,800	86,000	86,500	90,400	91,600	92,200	90,700	91,900	90,600	90,100	90,000	90,000	89,600
Full-Service Restaurants	41,700	42,700	43,000	44,900	45,400	45,300	44,300	44,500	43,800	43,500	43,300	43,400	43,800
Residual-Limited-Service Eating Places	43,100	43,300	43,500	45,500	46,200	46,900	46,400	47,400	46,800	46,600	46,700	46,600	45,800
Other Services	43,300	43,900	44,500	45,900	46,500	47,400	45,900	46,200	46,900	48,400	48,300	48,800	46,300
Repair and Maintenance	12,800	12,900	13,200	13,600	13,700	13,600	13,000	13,100	13,100	12,900	13,000	13,000	13,200
Personal and Laundry Services	13,200	13,300	13,400	13,900	14,100	14,300	13,900	13,900	14,000	14,100	14,000	14,400	13,900
Religious, Grantmaking, Civic, Professional and Similar Organizations	17,300	17,700	17,900	18,400	18,700	19,500	19,000	19,200	19,800	21,400	21,300	21,400	19,300

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Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	219,900	222,800	223,700	223,400	223,200	223,500	214,000	213,600	214,200	224,400	223,700	225,000	221,000
Federal Government	40,200	39,900	40,000	39,800	39,900	39,900	39,800	39,700	39,700	40,000	39,200	40,700	39,900
Other Federal Government	20,400	20,200	20,300	20,100	20,200	20,200	20,000	19,900	19,900	20,200	20,500	20,700	20,200
Department of Defense	19,800	19,700	19,700	19,700	19,700	19,700	19,800	19,800	19,800	19,800	18,700	20,000	19,700
State and Local Government	179,700	182,900	183,700	183,600	183,300	183,600	174,200	173,900	174,500	184,400	184,500	184,300	181,100
State Government	37,300	37,800	39,000	38,400	38,500	38,200	35,900	36,100	37,000	38,800	39,300	38,800	37,900
State Government Education	24,600	25,100	25,900	25,500	25,500	25,100	22,700	22,800	23,800	25,600	26,300	26,000	24,900
Other State Government	12,700	12,700	13,100	12,900	13,000	13,100	13,200	13,300	13,200	13,200	13,000	12,800	13,000
Local Government	142,400	145,100	144,700	145,200	144,800	145,400	138,300	137,800	137,500	145,600	145,200	145,500	143,100
Local Government Education	79,400	81,000	81,600	81,600	81,000	80,100	73,300	73,300	73,300	81,500	81,100	81,400	79,100
County	19,700	20,600	19,900	19,800	19,600	19,800	20,200	20,200	20,100	20,200	20,000	20,000	20,000
City	19,800	19,900	19,800	20,000	20,200	20,600	20,700	20,700	20,400	20,200	20,200	20,200	20,200
Other Local Government	23,500	23,600	23,400	23,800	24,000	24,900	24,100	23,600	23,700	23,700	23,900	23,900	23,800

*March 2002 Benchmark figures.

Projections & Planning Information

Module D:

Projections

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INTRODUCTION

to Industry and Occupational Projections

Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

Remember that these data are estimates. They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

Do not use these projections as your sole source of information. Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

Projections employment data are annual averages. These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

Employment levels stated reflect workers who are covered by the Unemployment Insurance program. As a result, industries that are made up largely of individuals who are

self-employed will be understated. Examples include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

Occupational Projections

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the

very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

Additional Sources of Information

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles

- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

Description Of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

Agriculture, Forestry, and Fishing (SIC 01-09) includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

Mining (SIC 10-14) includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

Construction (SIC 15-17) includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

Manufacturing (SIC 20-39) includes establishments which are usually described as plants, factories, or mills that are engaged in producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

Transportation and Public Utilities (SIC 40-49) includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

Wholesale Trade (SIC 50-51) includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

Retail Trade (SIC 52-59) includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

Finance, Insurance, and Real Estate (SIC 60-67) includes banks, savings and loan institutions, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

Services (SIC 70-89) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

Government includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

Industry Tables

Employment By Major Industry - Table 1

This table shows 1997 estimated employment and 2004 projected employment along with the percentage of total employment for each major industry division.

Employment By Industry - Table 2

This table shows employment and projected employment by industry. The number of jobs is estimated for 1997 and projected for 2004. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1997 and 2004. The "Percent Change" column is the growth rate over the seven-year period.

Occupational groups are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

Managers And Administrative occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

Professional, Paraprofessional, And Technical occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

Sales And Related occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

Clerical And Administrative Support occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

Service Occupations prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

Agricultural, Forestry, And Fishing occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

Production, Construction, Operating, Maintenance, and Material Handling are skilled, semi-skilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

Occupational Tables

Employment By Major Occupational Group - Table 3

This table shows 1997 and 2004 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

Occupations With The Greatest Absolute Job Growth - Table 4

This table lists the 50 occupations that are projected to register the largest absolute change between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1997-2004 period.

Occupations With The Fastest Job Growth - Table 5

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

Occupational Employment Projections - Table 6

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1997 and 2004. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed

table. The same line numbers are used in all area reports for 1997-2004. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

Occupations With The Most Openings - Table 7 (Growth Plus Separations)

This table lists the occupations that are projected to register the largest absolute growth and separations between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1997-2004 period.

Occupations With Projected Decline - Table 8

This table lists the occupations that are projected to decline over the 1997-2004 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. First professional degree. Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

2. Doctoral degree. Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

3. Master's degree. Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

4. Bachelor's or higher and some work experience. Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

5. Bachelor's degree. Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

6. Associate degree. Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

7. Post-secondary vocational education. Occupations that require completion of vocational school training.

8. Work experience. Occupations that require skills obtained through work experience in a related occupation.

9. Long-term on-the-job training. Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

10. Moderate-term on-the-job training. Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

11. Short-term on-the-job-training. Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

Industry Trends and Outlook

San Diego County's nonfarm employment is projected to expand from 1,152,900 jobs in 1999 to 1,364,100 in 2006. This is an 18.3 percent increase based on an increase of 211,200 jobs. Employment gains are expected across most major industries, although half of the growth should occur in the services industry. This analysis describes the expected performance of each major industry division during the 1999-2006 projection period.

Services employment is expected to lead the growth as it expands from 381,700 jobs in 1999 to 487,400 in 2006, a gain of 105,700 jobs, or 27.7 percent. The services industry, San Diego County's largest, is expected to experience the strongest absolute job growth of any industry division over the projection period. Job gains will be centered in the business services, engineering and management and other services categories.

Business services, which include personnel supply services, computer and data processing services and miscellaneous business services, are projected to increase by 43.4 percent, or 41,300 jobs. Engineering and management services, which include research and development and accounting and auditing firms, are expected to increase by 31.5 percent, or 16,300 jobs. Other services, which include legal services, lawn and garden services and individual and family services, should increase by 27.4 percent, or 30,300 jobs.

Trade employment, which comprises the **wholesale and retail trade** industries, is expected to increase from 256,500 jobs in 1999 to 294,000 jobs in 2006. This is a gain of 37,500 jobs, or 14.6 percent. Retail trade should expand from 206,100 jobs to 235,800, an increase of 29,700 jobs or 14.4 percent. The job growth in retail trade should primarily occur in the eating and drinking places and the other retail trade categories. Wholesale trade should expand from 50,300 jobs to 58,200, an increase of 7,900 jobs, or 15.7 percent.

Government industry employment is projected to grow from 199,300 jobs to 225,000 between 1999 and 2006, an increase of 25,700 jobs, or 12.9 percent. State and local government will account for most of this growth. Employment in state and local education, which accounts for more than half of the jobs in state and local government, should climb due to the county's growing population and the increasing demand for teachers.

We expect moderate growth in the noneducation-related component of state and local government to provide required public services for the increasing population. We will also see additional hiring fueled by the continuing expansion of Indian gaming casinos, which are classified in the local government sector. Federal government employment is not expected to increase significantly over the projection period, but it will expand to

support defense and border-related activities.

Manufacturing employment is projected to reach 142,400 jobs by 2006. This is an increase of 14,300 jobs, or 11.2 percent over its 1999 level. Durable goods manufacturing is expected to add 9,400 jobs. Electronic equipment and industrial machinery should be the primary job gainers. Nondurable goods manufacturing is expected to add 4,900 jobs. Job gains will be centered in paper, printing and publishing; rubber and miscellaneous plastics products; and chemical and allied products, where many pharmaceutical companies are classified.

Construction jobs should grow from 67,000 jobs in 1999 to 79,200 in 2006, an increase of 12,200 jobs, or 18.2 percent. This industry has been on the rebound since 1993. Large projects such as the expansion of the San Diego convention center and construction of the new Padres ballpark will help the industry create jobs during the projection period.

Transportation and public utilities employment is expected to rise from 51,300 jobs in 1999 to 59,700 in 2006, an increase of 8,400 jobs, or 16.4 percent. About half of the job gains should occur in the transportation category, which includes trucking and warehousing, air transportation and other transportation, e.g., taxi and shuttle services. The other half of the job gains is expected to occur in the

communication and public utilities category, where several of San Diego County's telecommunications firms are classified.

Finance, insurance and real estate employment should expand from 68,700 jobs to 76,100 between 1999 and 2006, an increase of 7,400 jobs or 10.8 percent. The finance component is expected to add 2,800 jobs. While banks will experience moderate growth, most of the job gains will be centered in security and commodity brokers and other investment office services. The other finance, insurance and real estate component should add 4,600 jobs. This category includes insurance carriers, agents and brokers, and real estate agents.

Mining employment is expected to remain at the 1999 level of 300 jobs over the projection period. Employment has declined over the last decade but should remain stable through 2006.

Table 1
Employment By Major Industry (1)
1999 - 2006 Annual Averages
SAN DIEGO COUNTY

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
TOTAL NONFARM	1,152,900	100.0%	1,364,100	100.0%
MINING	300	0.0%	300	0.0%
CONSTRUCTION	67,000	5.8%	79,200	5.8%
MANUFACTURING	128,100	11.1%	142,400	10.4%
TRANSPORTATION & PUBLIC UTILITIES	51,300	4.4%	59,700	4.4%
TRADE	256,500	22.2%	294,000	21.6%
FINANCE, INSURANCE, & REAL ESTATE	68,700	6.0%	76,100	5.6%
SERVICES	381,700	33.1%	487,400	35.7%
GOVERNMENT	199,300	17.3%	225,000	16.5%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

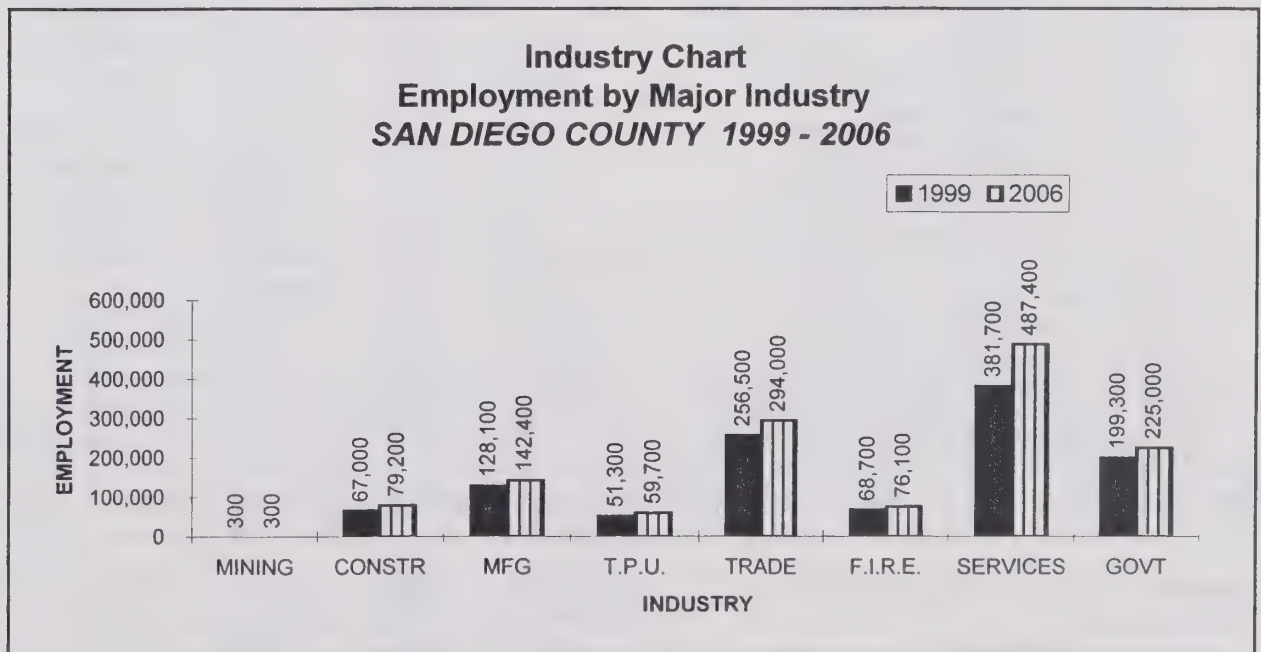


Table 2
Industry Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
TOTAL NONFARM	10-99(ex 88), 074,075,078	1,152,900	1,364,100	211,200	18.3
GOODS PRODUCING	10-39	195,400	221,900	26,500	13.6
MINING	10-14	300	300	0	0.0
CONSTRUCTION	15-17	67,000	79,200	12,200	18.2
General Building Contractors	15	16,100	19,200	3,100	19.3
Heavy Construction	16	5,600	6,500	900	16.1
Special Trade	17	45,300	53,500	8,200	18.1
MANUFACTURING	20-39	128,100	142,400	14,300	11.2
Durable Goods	24,25,32-39	91,600	101,000	9,400	10.3
Lumber, Wood, & Furniture	24,25	5,800	6,700	900	15.5
Stone, Clay, & Glass	32	2,300	2,700	400	17.4
Primary & Fabricated Metal	33,34	7,200	8,400	1,200	16.7
Industrial Machinery	35	17,400	19,500	2,100	12.1
Computer & Office Equipment	357	5,900	6,500	600	10.2
Other Industrial Machinery	35X	11,500	13,000	1,500	13.0
Electronic Equipment	36	23,100	26,600	3,500	15.2
Household Audio & Video	365	4,500	5,000	500	11.1
Communications Equipment	366	5,400	6,100	700	13.0
Electronic Components	367	9,000	10,700	1,700	18.9
Other Electronic Equipment	36X	4,200	4,800	600	14.3
Transportation Equipment	37	14,900	15,200	300	2.0
Aircraft, Missiles & Space	372,376	7,200	7,500	300	4.2
Other Transportation Equipment	37X	7,700	7,700	0	0.0
Instruments & Related Products	38	13,200	13,000	-200	-1.5
Other Instruments & Related	38X	2,900	3,200	300	10.3
Search & Navigation Equipment	381	4,100	3,700	-400	-9.8
Measuring & Control Devices	382	6,200	6,100	-100	-1.6
Miscellaneous Manufacturing	39	7,800	8,900	1,100	14.1
Nondurable Goods	20-23,26-31	36,500	41,400	4,900	13.4
Food & Kindred Products	20	5,000	5,600	600	12.0
Apparel & Other Textile Products	23	5,100	5,300	200	3.9
Paper, Printing & Publishing	26,27	14,900	16,500	1,600	10.7
Chemicals & Allied Products	28	6,000	7,100	1,100	18.3
Rubber & Misc. Plastics Products	30	3,900	5,000	1,100	28.2
Other Nondurable Goods		1,600	1,900	300	18.8
SERVICE PRODUCING	40-99(ex 88), 074,075,078	957,500	1,142,200	184,700	19.3
TRANSPORTATION & PUBLIC UTILITIES	40-42,44-49	51,300	59,700	8,400	16.4
Transportation	40-42,44-47	22,600	26,900	4,300	19.0
Trucking & Warehousing	42	8,000	9,900	1,900	23.7
Air Transportation	45	6,400	7,500	1,100	17.2

Table 2
Industry Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
Other Transportation		8,200	9,500	1,300	15.9
Communications & Public Utilities	48,49	28,700	32,800	4,100	14.3
Communications	48	20,000	23,600	3,600	18.0
Electric, Gas & Sanitary Services	49	8,700	9,200	500	5.7
TRADE	50-59	256,500	294,000	37,500	14.6
Wholesale Trade	50,51	50,300	58,200	7,900	15.7
Wholesale--Durable	50	31,200	37,000	5,800	18.6
Wholesale--Nondurable	51	19,100	21,200	2,100	11.0
Retail Trade	52-59	206,100	235,800	29,700	14.4
Building Materials & Garden Supply	52	7,600	8,800	1,200	15.8
General Merchandise	53	19,700	23,200	3,500	17.8
Food Stores	54	23,600	24,400	800	3.4
Automotive Dealers & Services	55	21,300	22,900	1,600	7.5
Eating & Drinking Places	58	81,000	92,900	11,900	14.7
Other Retail Trade		52,900	63,600	10,700	20.2
FINANCE, INSURANCE & REAL ESTATE	60-65,67	68,700	76,100	7,400	10.8
Finance	60-62,67	31,100	33,900	2,800	9.0
Other Finance, Insurance & Real Estate		37,600	42,200	4,600	12.2
SERVICES	074,5,8,70-89	381,700	487,400	105,700	27.7
Hotels & Other Lodging Places	70	26,100	30,700	4,600	17.6
Business Services	73	95,200	136,500	41,300	43.4
Amusement, Including Movies	78,79	24,800	28,900	4,100	16.5
Health Services	80	73,400	82,500	9,100	12.4
Engineering & Management	87	51,700	68,000	16,300	31.5
Other Services		110,500	140,800	30,300	27.4
GOVERNMENT		199,300	225,000	25,700	12.9
Federal Government		42,500	43,000	500	1.2
State & Local Government		156,800	182,000	25,200	16.1
State Government		33,600	39,500	5,900	17.6
State Education		22,200	26,900	4,700	21.2
Other State Government		11,400	12,600	1,200	10.5
Local Government		123,200	142,500	19,300	15.7
Local Education		72,100	84,000	11,900	16.5
Local Noneducation		51,200	58,500	7,300	14.3

(1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.

(2) March 2000 benchmark.

Table 3
Employment by Major Occupational Group
1999 - 2006 Annual Averages
SAN DIEGO COUNTY

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	1,152,900	100.0%	1,364,100	100.0%	211,200	18.3%
MANAGERS AND ADMIN OCCUPATIONS	78,680	6.8%	93,760	6.9%	15,080	19.2%
PROFESSIONAL, PARAPROF, TECHNICAL	275,780	23.9%	338,210	24.8%	62,430	22.6%
SALES AND RELATED OCCUPATIONS	135,740	11.8%	161,390	11.8%	25,650	18.9%
CLERICAL, ADMINISTRATIVE SUPPORT	203,630	17.7%	228,690	16.8%	25,060	12.3%
SERVICE OCCUPATIONS	191,770	16.6%	225,050	16.5%	33,280	17.4%
AGRICULTURAL, FORESTRY, FISHING	18,780	1.6%	23,420	1.7%	4,640	24.7%
PROD, CONST, OPER, MAT HANDLING	248,510	21.6%	293,570	21.5%	45,060	18.1%

(1) Total is based on the March 2000 benchmark.

Occupational Chart
Employment by Major Occupational Group
SAN DIEGO COUNTY 1999 - 2006

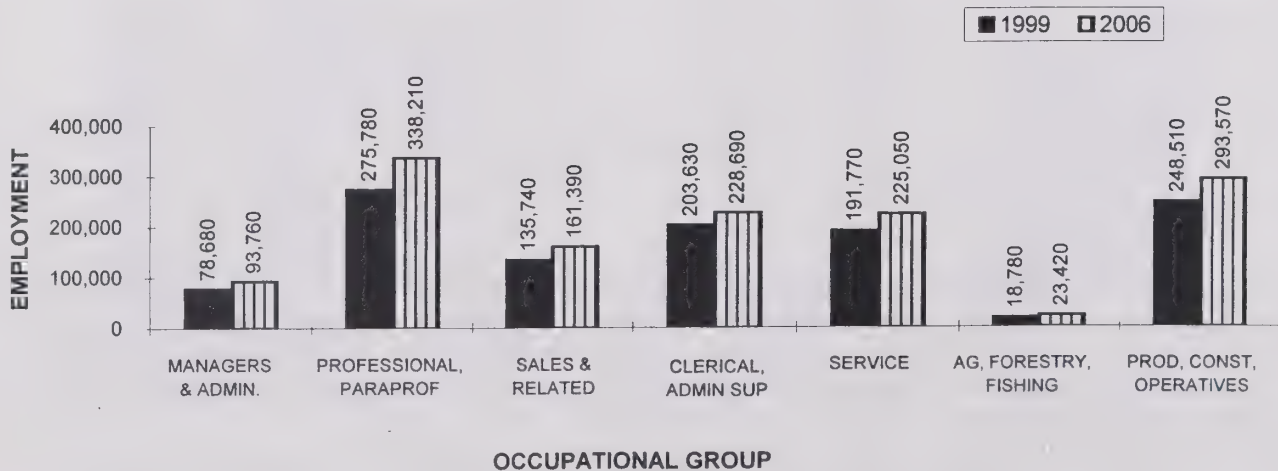


Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	38,050	45,510	7,460	19.6	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	29,280	35,030	5,750	19.6	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
55347	GENERAL OFFICE CLERKS	30,490	35,830	5,340	17.5	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	25,140	29,730	4,590	18.3	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	18,210	22,060	3,850	21.1	11	SHORT-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	5,210	8,540	3,330	63.9	5	BACHELOR'S DEGREE
79041	LABORERS, LANDSCAPING/GRNDSKEEPING	13,650	16,980	3,330	24.4	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	12,510	15,650	3,140	25.1	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	11,450	14,500	3,050	26.6	11	SHORT-TERM ON-THE-JOB TRAINING
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	4,970	7,910	2,940	59.2	5	BACHELOR'S DEGREE
65008	WAITERS AND WAITRESSES	19,060	21,870	2,810	14.7	11	SHORT-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	14,050	16,740	2,690	19.1	11	SHORT-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	4,220	6,760	2,540	60.2	5	BACHELOR'S DEGREE
68014	AMUSEMENT, RECREATION ATTENDANTS	4,800	7,260	2,460	51.3	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	11,320	13,760	2,440	21.6	5	BACHELOR'S DEGREE
87102	CARPENTERS	11,900	14,050	2,150	18.1	9	LONG-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	6,710	8,860	2,150	32.0	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	14,480	16,600	2,120	14.6	5	BACHELOR'S DEGREE
65041	COMBINED FOOD PREP AND SERVICE	17,420	19,470	2,050	11.8	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH, ELECT	10,640	12,550	1,910	18.0	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	14,130	16,000	1,870	13.2	6	ASSOCIATE DEGREE
55108	SECRETARIES, GENERAL	22,180	23,940	1,760	7.9	7	POST-SEC VOCATIONAL EDUCATION
31521	TEACHER AIDES, PARAPROFESSIONAL	5,630	7,320	1,690	30.0	6	ASSOCIATE DEGREE
13017	ENGINEER, MATH. AND NAT SCI MGRS	4,090	5,690	1,600	39.1	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
85132	MAINT REPAIRERS, GENL UTILITY	9,940	11,430	1,490	15.0	9	LONG-TERM ON-THE-JOB TRAINING

Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49026	TELEMARKETERS, SOLICITORS & RELATED	5,350	6,820	1,470	27.5	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	13,280	14,730	1,450	10.9	11	SHORT-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	9,100	10,530	1,430	15.7	11	SHORT-TERM ON-THE-JOB TRAINING
22126	ELECT AND ELECTRONIC ENGINEERS	6,010	7,360	1,350	22.5	5	BACHELOR'S DEGREE
85302	AUTOMOTIVE MECHANICS	6,560	7,860	1,300	19.8	9	LONG-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	4,350	5,610	1,260	29.0	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	8,250	9,500	1,250	15.2	5	BACHELOR'S DEGREE
65026	COOKS--RESTAURANT	7,100	8,340	1,240	17.5	9	LONG-TERM ON-THE-JOB TRAINING
13011	MKTING, ADV, PUB-REL MANAGERS	5,040	6,260	1,220	24.2	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
97102	TRUCK DRIVERS, HEAVY	5,150	6,350	1,200	23.3	11	SHORT-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	3,790	4,980	1,190	31.4	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	8,670	9,850	1,180	13.6	10	MODERATE-TERM ON-THE-JOB TRAINING
31303	TEACHERS, PRESCHOOL	3,860	4,950	1,090	28.2	5	BACHELOR'S DEGREE
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	7,340	8,410	1,070	14.6	11	SHORT-TERM ON-THE-JOB TRAINING
31317	INSTRUCTORS--NON-VOC EDUCATION	4,060	5,110	1,050	25.9	8	WORK EXPERIENCE
22505	ELECT, ELECTRONIC ENGINEERING TECH	6,580	7,610	1,030	15.7	6	ASSOCIATE DEGREE
25105	COMPUTER PROGRAMMERS	5,930	6,960	1,030	17.4	5	BACHELOR'S DEGREE
68038	CHILD CARE WORKERS	3,990	5,020	1,030	25.8	11	SHORT-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	5,630	6,630	1,000	17.8	9	LONG-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	6,990	7,980	990	14.2	11	SHORT-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	3,330	4,310	980	29.4	5	BACHELOR'S DEGREE
43017	SALES AGENTS--SEL BUS SERVICES	2,610	3,570	960	36.8	10	MODERATE-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	6,120	7,070	950	15.5	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
55338	BOOKKEEPING, ACCOUNTING CLERKS	16,120	17,020	900	5.6	10	MODERATE-TERM ON-THE-JOB TRAINING
93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	4,410	5,310	900	20.4	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		519,150	622,180	103,030	19.8		

(1) Excludes not elsewhere classified (NEC) categories

(2) March 2000 Benchmark

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25104	COMPUTER SUPPORT SPECIALISTS	5,210	8,540	3,330	63.9	5	BACHELOR'S DEGREE
22127	COMPUTER ENGINEERS	4,220	6,760	2,540	60.2	5	BACHELOR'S DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	4,970	7,910	2,940	59.2	5	BACHELOR'S DEGREE
68014	AMUSEMENT, RECREATION ATTENDANTS	4,800	7,260	2,460	51.3	11	SHORT-TERM ON-THE-JOB TRAINING
24311	MEDICAL SCIENTISTS	470	710	240	51.1	2	DOCTORAL DEGREE
24308	BIOLOGICAL SCIENTISTS	1,310	1,950	640	48.9	2	DOCTORAL DEGREE
28305	PARALEGAL PERSONNEL	1,330	1,940	610	45.9	6	ASSOCIATE DEGREE
27505	DIRECTORS--RELIG ACTIVITIES, EDUC	500	700	200	40.0	5	BACHELOR'S DEGREE
97808	PARKING LOT ATTENDANTS	1,680	2,350	670	39.9	11	SHORT-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	4,090	5,690	1,600	39.1	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
43017	SALES AGENTS--SEL BUS SERVICES	2,610	3,570	960	36.8	10	MODERATE-TERM ON-THE-JOB TRAINING
25103	DATA BASE ADMINISTRATORS	1,010	1,380	370	36.6	5	BACHELOR'S DEGREE
27308	HUMAN SERVICES WORKERS	2,270	3,090	820	36.1	10	MODERATE-TERM ON-THE-JOB TRAINING
67008	PEST CONTROLLERS AND ASSISTANTS	670	910	240	35.8	10	MODERATE-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	2,380	3,230	850	35.7	11	SHORT-TERM ON-THE-JOB TRAINING
68008	MANICURISTS	780	1,050	270	34.6	7	POST-SEC VOCATIONAL EDUCATION
34035	ARTISTS AND RELATED WORKERS	2,060	2,770	710	34.5	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
24502	BIOLOGICAL, AGRI, FOOD TECHS	550	740	190	34.5	6	ASSOCIATE DEGREE
79017	ANIMAL CARETAKERS--EXCEPT FARM	1,520	2,040	520	34.2	11	SHORT-TERM ON-THE-JOB TRAINING
32302	RESPIRATORY CARE PRACTITIONERS	590	790	200	33.9	6	ASSOCIATE DEGREE
97923	EXCAVATING, LOADING MACHINE OPS	330	440	110	33.3	10	MODERATE-TERM ON-THE-JOB TRAINING
32114	VETS AND VETERINARY INSPECTORS	300	400	100	33.3	1	FIRST PROFESSIONAL DEGREE
43023	SALES AGENTS--ADVERTISING	1,240	1,650	410	33.1	10	MODERATE-TERM ON-THE-JOB TRAINING
34041	INTERIOR DESIGNERS	980	1,300	320	32.7	5	BACHELOR'S DEGREE
98902	HAND PACKERS AND PACKAGERS	6,710	8,860	2,150	32.0	11	SHORT-TERM ON-THE-JOB TRAINING

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49017	COUNTER AND RENTAL CLERKS	3,790	4,980	1,190	31.4	11	SHORT-TERM ON-THE-JOB TRAINING
27502	CLERGY	480	630	150	31.3	1	FIRST PROFESSIONAL DEGREE
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	780	1,020	240	30.8	3	MASTER'S DEGREE
56005	DUPLICATING MACHINE OPERATORS	880	1,150	270	30.7	11	SHORT-TERM ON-THE-JOB TRAINING
34005	TECHNICAL WRITERS	720	940	220	30.6	5	BACHELOR'S DEGREE
31521	TEACHER AIDES, PARAPROFESSIONAL	5,630	7,320	1,690	30.0	6	ASSOCIATE DEGREE
85702	TELEPHONE, CABLE TV INSTALLERS	1,590	2,060	470	29.6	9	LONG-TERM ON-THE-JOB TRAINING
79806	VETERINARY ASSISTANTS	540	700	160	29.6	11	SHORT-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	3,330	4,310	980	29.4	5	BACHELOR'S DEGREE
85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	510	660	150	29.4	9	LONG-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	4,350	5,610	1,260	29.0	11	SHORT-TERM ON-THE-JOB TRAINING
27307	RESIDENTIAL COUNSELORS	1,310	1,690	380	29.0	5	BACHELOR'S DEGREE
24105	CHEMISTS, EXCEPT BIOCHEMISTS	730	940	210	28.8	5	BACHELOR'S DEGREE
68021	USHERS, LOBBY ATTENDANTS	1,400	1,800	400	28.6	11	SHORT-TERM ON-THE-JOB TRAINING
91502	NUMERICAL MACH TOOL OPS--MET, PLAS	840	1,080	240	28.6	10	MODERATE-TERM ON-THE-JOB TRAINING
34051	MUSICIANS--INSTRUMENTAL	420	540	120	28.6	9	LONG-TERM ON-THE-JOB TRAINING
92728	PRESSING MACH OPS--TEXTILE, GARMEN	600	770	170	28.3	10	MODERATE-TERM ON-THE-JOB TRAINING
31218	ART, DRAMA, MUSIC TEACHERS, POSTSEO	530	680	150	28.3	2	DOCTORAL DEGREE
31224	MATHEMATICAL SCIENCES TEACHERS, POS	460	590	130	28.3	2	DOCTORAL DEGREE
31303	TEACHERS, PRESCHOOL	3,860	4,950	1,090	28.2	5	BACHELOR'S DEGREE
68005	HAIRDRESSERS, HAIRSTYLISTS	2,830	3,620	790	27.9	7	POST-SEC VOCATIONAL EDUCATION
53123	ADJUSTMENT CLERKS	3,200	4,090	890	27.8	11	SHORT-TERM ON-THE-JOB TRAINING
68035	PERSONAL AND HOME CARE AIDES	1,450	1,850	400	27.6	11	SHORT-TERM ON-THE-JOB TRAINING
49026	TELEMARKETERS, SOLICITORS & RELATED	5,350	6,820	1,470	27.5	11	SHORT-TERM ON-THE-JOB TRAINING
49034	DEMONSTRATORS AND PROMOTERS	690	880	190	27.5	10	MODERATE-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		98,850	135,710	36,860	37.3		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 400 in 2006.

(2) March 2000 Benchmark

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
1	00000	TOTAL, ALL OCCUPATIONS	1,152,900	1,364,100	211,200	18.3	213,740		
2	10000	MGRS AND ADMIN OCCUPATIONS	78,680	93,760	15,080	19.2	10,500		
3	13002	FINANCIAL MANAGERS	6,120	7,070	950	15.5	720	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	1,930	2,350	420	21.8	350	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	1,590	1,830	240	15.1	270	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	5,040	6,260	1,220	24.2	540	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	3,730	4,410	680	18.2	490	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	4,090	5,690	1,600	39.1	590	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	3,620	4,250	630	17.4	680	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	1,870	2,220	350	18.7	250	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	2,190	2,500	310	14.2	220	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	1,650	1,810	160	9.7	210	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	1,930	2,330	400	20.7	260	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	1,100	1,310	210	19.1	150	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	3,640	4,230	590	16.2	480	8	WORK EXPERIENCE
19	15032	LAWN SERVICE MANAGER	200	260	60	30.0	10	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	250	250	0	0.0	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	29,280	35,030	5,750	19.6	3,880	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	10,450	11,960	1,510	14.4	1,360	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	275,770	338,190	62,420	22.6	41,990		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	38,080	44,420	6,340	16.6	5,590		
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	15,300	17,760	2,460	16.1	2,140		
26	21102	UNDERWRITERS	630	720	90	14.3	130	5	BACHELOR'S DEGREE
27	21105	CREDIT ANALYSTS	340	370	30	8.8	50	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
28	21108	LOAN OFFICERS AND COUNSELORS	2,430	2,790	360	14.8	400	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	290	370	80	27.6	50	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	8,250	9,500	1,250	15.2	950	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	630	730	100	15.9	100	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	2,730	3,280	550	20.1	460	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	3,590	4,100	510	14.2	690		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	710	790	80	11.3	130	5	BACHELOR'S DEGREE
35	21305	PURCH AGTS AND BUYERS--FARM PRODS	140	160	20	14.3	30	8	WORK EXPERIENCE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	2,740	3,150	410	15.0	530	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	3,540	4,220	680	19.2	720		
39	21505	SPECIAL AGENTS--INSURANCE	120	150	30	25.0	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	560	670	110	19.6	110	5	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	2,860	3,400	540	18.9	580	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	15,650	18,340	2,690	17.2	2,040		
43	21902	COST ESTIMATORS	1,790	2,160	370	20.7	170	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	1,500	1,890	390	26.0	90	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	730	800	70	9.6	140	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	2,660	2,940	280	10.5	350	8	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	300	320	20	6.7	50	5	BACHELOR'S DEGREE
48	21917	ASSESSORS	120	130	10	8.3	20	5	BACHELOR'S DEGREE
49	21921	CLAIMS EXAMINERS--INSURANCE	440	510	70	15.9	60	5	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	8,110	9,590	1,480	18.2	1,160	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	40,620	50,460	9,840	24.2	6,440		
52	22100	ENGINEERS	22,950	29,900	6,950	30.3	3,490		
53	22102	AERONAUT, ASTRONAUTICAL ENGINEERS	1,280	1,340	60	4.7	150	5	BACHELOR'S DEGREE
54	22105	METALLURGISTS, RELATED ENGINEERS	190	220	30	15.8	30	5	BACHELOR'S DEGREE
57	22114	CHEMICAL ENGINEERS	180	230	50	27.8	30	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
58	22117	NUCLEAR ENGINEERS	140	180	40	28.6	30	5	BACHELOR'S DEGREE
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	1,800	2,150	350	19.4	260	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	6,010	7,360	1,350	22.5	990	5	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	4,220	6,760	2,540	60.2	230	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	850	1,000	150	17.6	90	5	BACHELOR'S DEGREE
64	22132	SAFETY ENGINEERS--EXCEPT MINING	120	140	20	16.7	10	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	2,600	3,080	480	18.5	380	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	5,560	7,440	1,880	33.8	1,290	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	1,900	2,230	330	17.4	260		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	1,030	1,260	230	22.3	120	5	BACHELOR'S DEGREE
71	22308	LANDSCAPE ARCHITECTS	160	190	30	18.8	20	5	BACHELOR'S DEGREE
72	22311	SURVEYING AND MAPPING SCIENTISTS	710	780	70	9.9	120	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	15,770	18,330	2,560	16.2	2,690		
74	22502	CIVIL ENGINEERING TECHNICIANS	800	940	140	17.5	160	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	6,580	7,610	1,030	15.7	1,000	6	ASSOCIATE DEGREE
76	22508	INDUST ENGINEERING TECHS	210	220	10	4.8	30	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	1,230	1,480	250	20.3	190	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	2,710	3,050	340	12.5	480	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	550	660	110	20.0	100	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	3,690	4,370	680	18.4	730	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	7,410	9,740	2,330	31.4	1,380		
83	24100	PHYSICAL SCIENTISTS	2,070	2,570	500	24.2	400		
84	24102	PHYSICISTS AND ASTRONOMERS	420	480	60	14.3	80	2	DOCTORAL DEGREE
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	730	940	210	28.8	130	5	BACHELOR'S DEGREE
87	24111	GEOLOGIST, GEOPHYS, OCEANOGRAPHERS	260	360	100	38.5	60	5	BACHELOR'S DEGREE
88	24199	PHYSICAL SCIENTISTS, NEC	660	790	130	19.7	130	5	BACHELOR'S DEGREE
89	24300	LIFE SCIENTISTS	3,220	4,510	1,290	40.1	610		

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			1999 (2)	2,006					
92	24308	BIOLOGICAL SCIENTISTS	1,310	1,950	640	48.9	240	2	DOCTORAL DEGREE
93	24311	MEDICAL SCIENTISTS	470	710	240	51.1	120	2	DOCTORAL DEGREE
94	24399	LIFE SCIENTISTS, NEC	1,440	1,850	410	28.5	250	2	DOCTORAL DEGREE
95	24500	PHYSICAL, LIFE SCIENCE TECHS	2,120	2,660	540	25.5	370		
96	24502	BIOLOGICAL, AGRI, FOOD TECHS	550	740	190	34.5	100	6	ASSOCIATE DEGREE
97	24505	CHEM TECHS--EXCEPT HEALTH	370	420	50	13.5	60	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	1,200	1,500	300	25.0	210	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	21,120	30,190	9,070	42.9	2,670		
102	25100	COMPUTER SCIENTISTS AND RELATED	19,350	28,180	8,830	45.6	2,360		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	4,970	7,910	2,940	59.2	270	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	1,010	1,380	370	36.6	130	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	5,210	8,540	3,330	63.9	290	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	5,930	6,960	1,030	17.4	1,390	5	BACHELOR'S DEGREE
107	25108	COMPUTER PROGRAMMER AIDES	850	990	140	16.5	200	5	BACHELOR'S DEGREE
109	25199	COMPUTER SCIENTISTS, REL WRKRS, NEC	1,380	2,400	1,020	73.9	80	5	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	1,770	2,010	240	13.6	310		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	960	1,090	130	13.5	220	3	MASTER'S DEGREE
113	25312	STATISTICIANS	170	190	20	11.8	20	5	BACHELOR'S DEGREE
114	25313	ACTUARIES	110	130	20	18.2	10	5	BACHELOR'S DEGREE
115	25315	FINANCIAL ANALYSTS, STATISTICAL	410	490	80	19.5	50	5	BACHELOR'S DEGREE
116	25319	MATHEMATICAL SCIENTISTS, NEC	120	110	-10	-8.3	10	2	DOCTORAL DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	13,550	16,900	3,350	24.7	2,160		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	2,460	2,860	400	16.3	360		
120	27102	ECONOMISTS--INCL MKT RESRCH ANALYS	330	390	60	18.2	50	5	BACHELOR'S DEGREE
121	27105	URBAN AND REGIONAL PLANNERS	440	490	50	11.4	70	3	MASTER'S DEGREE

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			1999 (2)	2,006					
122	27108	PSYCHOLOGISTS	1,050	1,220	170	16.2	140	3	MASTER'S DEGREE
123	27199	SOCIAL SCIENTISTS, NEC	640	760	120	18.8	100	3	MASTER'S DEGREE
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	9,940	12,490	2,550	25.7	1,630		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	1,400	1,740	340	24.3	140	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	2,410	3,070	660	27.4	240	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	1,310	1,690	380	29.0	240	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	2,270	3,090	820	36.1	500	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	2,550	2,900	350	13.7	510	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	1,150	1,550	400	34.8	170		
131	27502	CLERGY	480	630	150	31.3	80	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	500	700	200	40.0	70	5	BACHELOR'S DEGREE
133	27599	RELIGIOUS WORKERS, NEC	170	220	50	29.4	20	5	BACHELOR'S DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	7,850	9,300	1,450	18.5	620		
135	28100	LAWYERS AND RELATED WORKERS	4,690	5,450	760	16.2	410		
136	28102	JUDGES AND MAGISTRATES	160	160	0	0.0	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	600	620	20	3.3	70	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	3,930	4,670	740	18.8	320	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	3,160	3,850	690	21.8	210		
140	28302	LAW CLERKS	930	870	-60	-6.5	70	6	ASSOCIATE DEGREE
141	28305	PARALEGAL PERSONNEL	1,330	1,940	610	45.9	90	6	ASSOCIATE DEGREE
143	28311	TITLE EXAMINERS AND ABSTRACTORS	210	210	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	690	830	140	20.3	40	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	72,400	88,620	16,220	22.4	11,680		
146	31100	POSTSECONDARY TEACHERS	12,920	16,460	3,540	27.4	2,820		

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			1999 (2)	2,006					
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	610	760	150	24.6	90	3	MASTER'S DEGREE
149	31117	GRADUATE ASSISTANTS, TEACHING	1,040	1,310	270	26.0	230	3	MASTER'S DEGREE
151	31202	LIFE SCIENCES TEACHERS, POSTSECON	240	320	80	33.3	60	2	DOCTORAL DEGREE
154	31209	PHYSICAL SCIENCE TEACHERS, POSTSEC	120	150	30	25.0	30	2	DOCTORAL DEGREE
157	31213	COMMUNICATIONS TEACHERS, POSTSECON	200	270	70	35.0	50	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	680	860	180	26.5	150	2	DOCTORAL DEGREE
159	31215	FOREIGN LANG & LIT TEACHERS, POSTS	230	290	60	26.1	50	2	DOCTORAL DEGREE
160	31218	ART, DRAMA, MUSIC TEACHERS, POSTSE	530	680	150	28.3	120	2	DOCTORAL DEGREE
161	31222	ENGINEERING TEACHERS, POSTSECONDAR	180	220	40	22.2	40	2	DOCTORAL DEGREE
163	31224	MATHEMATICAL SCIENCES TEACHERS, PO	460	590	130	28.3	100	2	DOCTORAL DEGREE
164	31226	COMPUTER SCIENCE TEACHERS, POSTSEC	130	200	70	53.8	30	2	DOCTORAL DEGREE
166	31231	ANTHRO & SOCIOLOGY TEACHERS, POSTS	110	130	20	18.2	20	2	DOCTORAL DEGREE
170	31235	HISTORY TEACHERS, POSTSECONDARY	140	180	40	28.6	30	2	DOCTORAL DEGREE
172	31237	PSYCHOLOGY TEACHERS, POSTSECONDARY	560	710	150	26.8	120	2	DOCTORAL DEGREE
173	31239	SOCIAL SCIENCES TEACHERS, POSTSECO	130	160	30	23.1	30	2	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	840	1,070	230	27.4	190	2	DOCTORAL DEGREE
176	31246	CRIMINAL JUSTICE & LAW ENFORCE TEA	100	130	30	30.0	20	2	DOCTORAL DEGREE
179	31254	PHILOSOPHY & RELIGION TEACHERS, PO	550	700	150	27.3	120	2	DOCTORAL DEGREE
181	31258	PARKS, REC, LEISURE, FIT STUDY TEACHE	130	160	30	23.1	30	2	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	5,940	7,570	1,630	27.4	1,310	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	48,650	58,590	9,940	20.4	7,500		
185	31303	TEACHERS, PRESCHOOL	3,860	4,950	1,090	28.2	650	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	1,680	1,960	280	16.7	270	5	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	14,480	16,600	2,120	14.6	2,460	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	11,320	13,760	2,440	21.6	2,780	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	3,330	4,310	980	29.4	220	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	3,260	3,950	690	21.2	260	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	4,060	5,110	1,050	25.9	330	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	2,530	3,180	650	25.7	210	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	4,130	4,770	640	15.5	320	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	10,830	13,570	2,740	25.3	1,360		

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			1999 (2)	2,006					
196	31502	LIBRARIANS--PROFESSIONAL	920	1,010	90	9.8	170	3	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS--LIBRARY	690	840	150	21.7	150	11	SHORT-TERM ON-THE-JOB TRAINING
198	31508	AUDIO-VISUAL SPECIALISTS	140	140	0	0.0	10	5	BACHELOR'S DEGREE
199	31511	CURATORS, ARCHIVISTS, AND RELATED	120	140	20	16.7	30	3	MASTER'S DEGREE
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	2,290	2,810	520	22.7	400	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	1,040	1,310	270	26.0	90	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	5,630	7,320	1,690	30.0	510	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	48,780	56,330	7,550	15.5	6,870		
204	32100	HEALTH DIAGNOSING, TREATING	7,340	8,150	810	11.0	920		
205	32102	PHYSICIANS AND SURGEONS	5,100	5,660	560	11.0	580	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	1,140	1,220	80	7.0	170	1	FIRST PROFESSIONAL DEGREE
207	32108	OPTOMETRISTS	390	400	10	2.6	60	1	FIRST PROFESSIONAL DEGREE
208	32111	PODIATRISTS	290	300	10	3.4	40	1	FIRST PROFESSIONAL DEGREE
210	32114	VETS AND VETERINARY INSPECTORS	300	400	100	33.3	50	1	FIRST PROFESSIONAL DEGREE
211	32199	HEALTH DIAGNOSING, TREATING, NEC	120	170	50	41.7	20	6	ASSOCIATE DEGREE
212	32300	THERAPISTS	2,980	3,720	740	24.8	340		
213	32302	RESPIRATORY CARE PRACTITIONERS	590	790	200	33.9	70	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	280	320	40	14.3	30	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	730	830	100	13.7	80	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	780	1,020	240	30.8	90	3	MASTER'S DEGREE
218	32317	RECREATIONAL THERAPISTS	100	110	10	10.0	10	5	BACHELOR'S DEGREE
219	32399	THERAPISTS, NEC	500	650	150	30.0	60	5	BACHELOR'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	24,850	27,900	3,050	12.3	3,410		
221	32502	REGISTERED NURSES	14,130	16,000	1,870	13.2	1,710	6	ASSOCIATE DEGREE
222	32505	LICENSED VOCATIONAL NURSES	6,400	6,880	480	7.5	980	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	570	680	110	19.3	110	7	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	290	350	60	20.7	40	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	920	1,060	140	15.2	90	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
226	32517	PHARMACISTS	1,220	1,370	150	12.3	250	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	790	950	160	20.3	150	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	330	380	50	15.2	50	5	BACHELOR'S DEGREE
229	32523	DIETETIC TECHNICIANS	200	230	30	15.0	30	6	ASSOCIATE DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	13,610	16,560	2,950	21.7	2,200		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	1,360	1,580	220	16.2	130	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	1,060	1,220	160	15.1	100	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	1,460	1,760	300	20.5	250	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	890	1,080	190	21.3	170	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	1,030	1,120	90	8.7	100	6	ASSOCIATE DEGREE
239	32925	CARDIOLOGY TECHNOLOGISTS	110	140	30	27.3	20	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	550	670	120	21.8	110	7	POST-SECONDARY VOCATIONAL EDUCATION
242	32931	PSYCHIATRIC TECHNICIANS	790	970	180	22.8	90	6	ASSOCIATE DEGREE
243	32951	VETERINARY TECHNICIANS	340	410	70	20.6	60	6	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	6,020	7,610	1,590	26.4	1,170	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	11,270	14,280	3,010	26.7	1,820		
246	34002	WRITERS AND EDITORS	1,170	1,450	280	23.9	240	5	BACHELOR'S DEGREE
247	34005	TECHNICAL WRITERS	720	940	220	30.6	150	5	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	790	990	200	25.3	160	5	BACHELOR'S DEGREE
249	34011	REPORTERS AND CORRESPONDENTS	400	460	60	15.0	90	5	BACHELOR'S DEGREE
251	34017	ANNOUNCERS--RADIO AND TELEVISION	340	390	50	14.7	60	9	LONG-TERM ON-THE-JOB TRAINING
253	34023	PHOTOGRAPHERS	650	810	160	24.6	80	10	MODERATE-TERM ON-THE-JOB TRAINING
254	34026	CAMERA OPS--TV AND MOTION PICTURE	110	160	50	45.5	10	10	MODERATE-TERM ON-THE-JOB TRAINING
255	34028	BROADCAST TECHNICIANS	260	300	40	15.4	50	7	POST-SECONDARY VOCATIONAL EDUCATION
257	34035	ARTISTS AND RELATED WORKERS	2,060	2,770	710	34.5	350	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	1,950	2,470	520	26.7	220	5	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	980	1,300	320	32.7	110	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	260	300	40	15.4	30	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	300	390	90	30.0	50	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	420	540	120	28.6	60	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
264	34056	PRODUCERS, DIRECTORS, ACTORS	690	810	120	17.4	120	9	LONG-TERM ON-THE-JOB TRAINING
265	34058	ATHLETES, COACHES, UMPES, RELATED	170	200	30	17.6	40	9	LONG-TERM ON-THE-JOB TRAINING
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	14,690	17,950	3,260	22.2	2,760		
267	39002	AIR DISPATCHERS, AIR TRAFFIC CONTR	550	590	40	7.3	110	9	LONG-TERM ON-THE-JOB TRAINING
272	39999	OTHER PROF, PARAPROF, TECHNICAL	14,140	17,360	3,220	22.8	2,650	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	135,740	161,390	25,650	18.9	30,960		
274	41000	FIRST-LINE SUP/MGR--SALES	15,440	18,790	3,350	21.7	1,540	8	WORK EXPERIENCE
275	43000	SALES AGENTS--SERVICE	12,770	15,440	2,670	20.9	2,160		
276	43002	SALES AGENTS, PLACERS--INSURANCE	1,780	2,070	290	16.3	300	9	LONG-TERM ON-THE-JOB TRAINING
277	43005	BROKERS--REAL ESTATE	530	570	40	7.5	80	8	WORK EXPERIENCE
278	43008	SALES AGENTS--REAL ESTATE	970	990	20	2.1	140	7	POST-SECONDARY VOCATIONAL EDUCATION
279	43011	APPRAISERS--REAL ESTATE	600	610	10	1.7	80	8	WORK EXPERIENCE
280	43014	SALES AGENTS--FINANCIAL SERVICES	1,840	2,210	370	20.1	110	9	LONG-TERM ON-THE-JOB TRAINING
281	43017	SALES AGENTS--SEL BUS SERVICES	2,610	3,570	960	36.8	440	10	MODERATE-TERM ON-THE-JOB TRAINING
282	43021	TRAVEL AGENTS	1,500	1,720	220	14.7	240	7	POST-SECONDARY VOCATIONAL EDUCATION
283	43023	SALES AGENTS--ADVERTISING	1,240	1,650	410	33.1	280	10	MODERATE-TERM ON-THE-JOB TRAINING
284	43099	SALES REPS, SERVICE--NEC	1,700	2,050	350	20.6	490	10	MODERATE-TERM ON-THE-JOB TRAINING
285	49000	MERCH, PRODUCTS AND OTHER SALES	107,530	127,160	19,630	18.3	27,260		
286	49002	SALES ENGINEERS	680	820	140	20.6	100	5	BACHELOR'S DEGREE
287	49005	SALES REPS, SCIENTIFIC--EX RETAIL	3,910	4,660	750	19.2	730	10	MODERATE-TERM ON-THE-JOB TRAINING
288	49008	SALES REPS, NON-SCIENTIFIC EX RET	8,670	9,850	1,180	13.6	1,580	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49011	SALESPERSONS, RETAIL	38,050	45,510	7,460	19.6	10,090	11	SHORT-TERM ON-THE-JOB TRAINING
290	49014	SALESPERSONS--PARTS	2,360	2,480	120	5.1	490	10	MODERATE-TERM ON-THE-JOB TRAINING

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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
291	49017	COUNTER AND RENTAL CLERKS	3,790	4,980	1,190	31.4	1,350	11	SHORT-TERM ON-THE-JOB TRAINING
292	49021	STOCK CLERKS--SALES FLOOR	12,830	13,640	810	6.3	1,380	11	SHORT-TERM ON-THE-JOB TRAINING
293	49023	CASHIERS	25,140	29,730	4,590	18.3	8,720	11	SHORT-TERM ON-THE-JOB TRAINING
294	49026	TELEMARKETERS, SOLICITORS & RELATE	5,350	6,820	1,470	27.5	1,120	11	SHORT-TERM ON-THE-JOB TRAINING
295	49034	DEMONSTRATORS AND PROMOTERS	690	880	190	27.5	150	10	MODERATE-TERM ON-THE-JOB TRAINING
297	49999	SALES AND RELATED WORKERS, NEC	6,060	7,790	1,730	28.5	1,550	10	MODERATE-TERM ON-THE-JOB TRAINING
298	50000	CLERICAL, ADMINISTRATIVE SUPPORT	203,630	228,690	25,060	12.3	31,560		
299	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	15,490	18,290	2,800	18.1	2,630	8	WORK EXPERIENCE
300	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	28,950	33,670	4,720	16.3	4,930		
301	53100	BANKING, SECURITY, FINANCE, CREDIT	13,130	14,400	1,270	9.7	2,250		
302	53102	TELLERS	5,300	5,250	-50	-0.9	1,610	11	SHORT-TERM ON-THE-JOB TRAINING
303	53105	NEW ACCOUNTS CLERKS	810	900	90	11.1	190	8	WORK EXPERIENCE
307	53117	CREDIT CHECKERS	450	550	100	22.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
308	53121	LOAN AND CREDIT CLERKS	2,760	2,980	220	8.0	210	11	SHORT-TERM ON-THE-JOB TRAINING
309	53123	ADJUSTMENT CLERKS	3,200	4,090	890	27.8	160	11	SHORT-TERM ON-THE-JOB TRAINING
310	53126	STATEMENT CLERKS	130	100	-30	-23.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
311	53128	BROKERAGE CLERKS	480	530	50	10.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
312	53300	INSURANCE WORKERS	3,230	3,880	650	20.1	370		
313	53302	INS ADJUST, EXAMIN, INVESTIGATORS	990	1,210	220	22.2	130	9	LONG-TERM ON-THE-JOB TRAINING
314	53305	INSURANCE APPRAISERS--AUTO DAMAGE	110	130	20	18.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
316	53311	INSURANCE CLAIMS CLERKS	960	1,160	200	20.8	120	10	MODERATE-TERM ON-THE-JOB TRAINING
317	53314	INSURANCE POLICY PROCESSING CLERKS	1,170	1,380	210	17.9	110	10	MODERATE-TERM ON-THE-JOB TRAINING
318	53500	INVESTIGATIVE, RELATED, EX INSUR	2,650	3,470	820	30.9	560		
319	53502	WELFARE ELIG WORKERS, INTERVIEWERS	270	240	-30	-11.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
321	53508	BILL AND ACCOUNT COLLECTORS	2,380	3,230	850	35.7	520	11	SHORT-TERM ON-THE-JOB TRAINING
322	53700	MUNICIPAL WORKERS	160	170	10	6.3	20		
323	53702	COURT CLERKS	160	170	10	6.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
326	53800	LODGING AND TRAVEL WORKERS	4,030	4,590	560	13.9	910		
327	53802	TRAVEL CLERKS	270	350	80	29.6	50	11	SHORT-TERM ON-THE-JOB TRAINING
328	53805	RESERVATION, TRANS TICKET AGENTS	1,800	1,990	190	10.6	280	11	SHORT-TERM ON-THE-JOB TRAINING
329	53808	HOTEL DESK CLERKS	1,960	2,250	290	14.8	580	11	SHORT-TERM ON-THE-JOB TRAINING
330	53900	MISC INDUSTRY SPECIFIC CLERICAL	5,750	7,160	1,410	24.5	820		
331	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	830	960	130	15.7	310	11	SHORT-TERM ON-THE-JOB TRAINING
332	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	4,350	5,610	1,260	29.0	390	11	SHORT-TERM ON-THE-JOB TRAINING
334	53911	PROOFREADERS AND COPY MARKERS	330	320	-10	-3.0	70	11	SHORT-TERM ON-THE-JOB TRAINING
335	53914	REAL ESTATE CLERKS	240	270	30	12.5	50	11	SHORT-TERM ON-THE-JOB TRAINING
336	55000	SECRETARIAL, GENERAL OFFICE OCCS	108,250	120,820	12,570	11.6	17,370		
337	55100	SECRETARIES	26,570	28,630	2,060	7.8	3,110		
338	55102	SECRETARIES, LEGAL	2,560	2,840	280	10.9	300	7	POST-SECONDARY VOCATIONAL EDUCATION
339	55105	SECRETARIES, MEDICAL	1,830	1,850	20	1.1	210	7	POST-SECONDARY VOCATIONAL EDUCATION
340	55108	SECRETARIES, GENERAL	22,180	23,940	1,760	7.9	2,600	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55300	MISC SECRETARIAL, GENL OFF OCCS	81,680	92,190	10,510	12.9	14,260		
342	55302	STENOGRAPHERS AND/OR COURT REPORTE	450	480	30	6.7	50	7	POST-SECONDARY VOCATIONAL EDUCATION
343	55305	RECEPTIONISTS, INFORMATION CLERKS	14,050	16,740	2,690	19.1	2,080	11	SHORT-TERM ON-THE-JOB TRAINING
344	55307	TYPISTS, INCLUDING WORD PROCESSING	3,730	3,300	-430	-11.5	480	10	MODERATE-TERM ON-THE-JOB TRAINING
345	55314	PERS CLERKS--EX PAYROLL	1,650	1,740	90	5.5	220	11	SHORT-TERM ON-THE-JOB TRAINING
346	55317	CORRESPONDENCE CLERKS	260	310	50	19.2	50	11	SHORT-TERM ON-THE-JOB TRAINING
347	55321	FILE CLERKS	2,660	2,980	320	12.0	690	11	SHORT-TERM ON-THE-JOB TRAINING
348	55323	ORDER CLERKS--MATERIALS, SERVICE	3,200	3,570	370	11.6	560	11	SHORT-TERM ON-THE-JOB TRAINING
349	55326	PROCUREMENT CLERKS	480	450	-30	-6.3	50	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
350	55328	STATISTICAL CLERKS	270	280	10	3.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
351	55332	INTERVIEW CLERKS--EX PERS, WELFARE	1,050	1,310	260	24.8	270	11	SHORT-TERM ON-THE-JOB TRAINING
352	55335	CUSTOMER SERVICE REPS--UTILITIES	2,480	2,900	420	16.9	450	11	SHORT-TERM ON-THE-JOB TRAINING
353	55338	BOOKKEEPING, ACCOUNTING CLERKS	16,120	17,020	900	5.6	2,150	10	MODERATE-TERM ON-THE-JOB TRAINING
354	55341	PAYROLL AND TIMEKEEPING CLERKS	1,610	1,670	60	3.7	230	11	SHORT-TERM ON-THE-JOB TRAINING
355	55344	BILLING, COST, AND RATE CLERKS	3,180	3,610	430	13.5	470	11	SHORT-TERM ON-THE-JOB TRAINING
356	55347	GENERAL OFFICE CLERKS	30,490	35,830	5,340	17.5	6,480	11	SHORT-TERM ON-THE-JOB TRAINING
357	56000	EDP AND OFFICE MACHINE OCCUPATIONS	8,410	8,830	420	5.0	940		
358	56002	BILLING, POSTING, CALC MACHINE OPS	800	790	-10	-1.2	110	11	SHORT-TERM ON-THE-JOB TRAINING
359	56005	DUPLICATING MACHINE OPERATORS	880	1,150	270	30.7	210	11	SHORT-TERM ON-THE-JOB TRAINING
360	56008	MAIL MACH OPS--PREP AND HANDLING	270	330	60	22.2	60	11	SHORT-TERM ON-THE-JOB TRAINING
361	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	1,870	1,630	-240	-12.8	170	10	MODERATE-TERM ON-THE-JOB TRAINING
362	56014	PERIPHERAL EDP EQUIPMENT OPERATORS	380	310	-70	-18.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
363	56017	DATA ENTRY KEYERS--EX COMPOSING	3,060	3,480	420	13.7	170	7	POST-SECONDARY VOCATIONAL EDUCATION
364	56021	DATA KEYERS--COMPOSING	280	260	-20	-7.1	10	7	POST-SECONDARY VOCATIONAL EDUCATION
365	56099	OFFICE MACHINE OPERATORS, NEC	870	880	10	1.1	180	11	SHORT-TERM ON-THE-JOB TRAINING
366	57000	COMMUNICATIONS, MAIL DISTRIBUTION	10,370	10,550	180	1.7	1,760		
367	57100	COMMUNICATION EQUIPMENT OPERATORS	4,730	4,440	-290	-6.1	720		
368	57102	SWITCHBOARD OPERATORS	1,630	1,580	-50	-3.1	250	11	SHORT-TERM ON-THE-JOB TRAINING
369	57105	DIRECTORY ASSISTANCE OPERATORS	770	630	-140	-18.2	110	10	MODERATE-TERM ON-THE-JOB TRAINING
370	57108	CENTRAL OFFICE OPERATORS	510	460	-50	-9.8	70	10	MODERATE-TERM ON-THE-JOB TRAINING
372	57199	COMMUNICATION EQUIP OPERATORS, NEC	1,820	1,770	-50	-2.7	290	10	MODERATE-TERM ON-THE-JOB TRAINING
373	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	5,640	6,110	470	8.3	1,040		
374	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	890	1,050	160	18.0	160	11	SHORT-TERM ON-THE-JOB TRAINING
375	57305	POSTAL MAIL CARRIERS	3,330	3,480	150	4.5	660	11	SHORT-TERM ON-THE-JOB TRAINING
376	57308	POSTAL SERVICE CLERKS	450	470	20	4.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
377	57311	MESSENGERS	970	1,110	140	14.4	170	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
378	58000	MATERIAL RECORDING, DISPATCHING	24,590	27,470	2,880	11.7	3,010		
379	58002	DISPATCH--POLICE, FIRE, AMBULANCE	380	410	30	7.9	40	10	MODERATE-TERM ON-THE-JOB TRAINING
380	58005	DISPATCH--EX POLICE, FIRE, AMBUL	1,530	1,840	310	20.3	190	10	MODERATE-TERM ON-THE-JOB TRAINING
381	58008	PROD, PLANNING, EXPEDITING CLERKS	2,720	2,920	200	7.4	230	11	SHORT-TERM ON-THE-JOB TRAINING
382	58011	TRANSPORTATION AGENTS	500	570	70	14.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
383	58014	METER READERS--UTILITIES	430	460	30	7.0	80	11	SHORT-TERM ON-THE-JOB TRAINING
384	58017	WEIGHERS, MEASURERS--RECORDKEEPING	140	150	10	7.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
385	58021	MARKING CLERKS	280	290	10	3.6	50	11	SHORT-TERM ON-THE-JOB TRAINING
386	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	7,340	8,410	1,070	14.6	820	11	SHORT-TERM ON-THE-JOB TRAINING
387	58026	ORDER FILLERS--WHLE & RET SALES	1,760	2,100	340	19.3	320	11	SHORT-TERM ON-THE-JOB TRAINING
388	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	8,400	9,070	670	8.0	1,010	11	SHORT-TERM ON-THE-JOB TRAINING
389	58099	MATERIAL RECORDING, RELATED, NEC	1,110	1,250	140	12.6	210	11	SHORT-TERM ON-THE-JOB TRAINING
390	59000	CLERICAL, ADMIN SUPPORT, NEC	7,570	9,060	1,490	19.7	920	11	SHORT-TERM ON-THE-JOB TRAINING
392	60000	SERVICE OCCUPATIONS	191,770	225,050	33,280	17.4	49,510		
393	61000	FIRST-LINE SUP/MGR--SERVICE	9,470	11,280	1,810	19.1	1,740		
394	61002	FIRE FIGHTING & PREVENTION SUPS	610	630	20	3.3	140	8	WORK EXPERIENCE
395	61005	POLICE AND DETECTIVE SUPERVISORS	710	760	50	7.0	150	8	WORK EXPERIENCE
396	61008	HOUSEKEEPING SUPERVISORS	860	990	130	15.1	150	8	WORK EXPERIENCE
397	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	7,290	8,900	1,610	22.1	1,300	8	WORK EXPERIENCE
398	63000	PROTECTIVE SERVICE OCCUPATIONS	23,670	28,550	4,880	20.6	5,520		
401	63008	FIRE FIGHTERS	2,410	2,420	10	0.4	410	9	LONG-TERM ON-THE-JOB TRAINING
402	63011	POLICE DETECTIVES	170	190	20	11.8	30	8	WORK EXPERIENCE
403	63014	POLICE PATROL OFFICERS	3,770	4,560	790	21.0	770	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
404	63017	CORRECTION OFFICERS, JAILERS	1,360	1,690	330	24.3	290	9	LONG-TERM ON-THE-JOB TRAINING
405	63021	PARKING ENFORCEMENT OFFICERS	160	160	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
406	63023	BAILIFFS	130	130	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
408	63028	CRIMINAL INVESTIGATORS, FEDERAL	610	710	100	16.4	120	5	BACHELOR'S DEGREE
409	63032	SHERIFFS AND DEPUTY SHERIFFS	610	730	120	19.7	40	9	LONG-TERM ON-THE-JOB TRAINING
410	63035	DETECTIVES, INVESTIGATORS--EX PUB	320	360	40	12.5	60	10	MODERATE-TERM ON-THE-JOB TRAINING
414	63047	GUARDS AND WATCH GUARDS	11,450	14,500	3,050	26.6	2,280	11	SHORT-TERM ON-THE-JOB TRAINING
415	63099	PROTECTIVE SERVICE WORKERS, NEC	2,680	3,100	420	15.7	1,500	11	SHORT-TERM ON-THE-JOB TRAINING
416	65000	FOOD, BEV PREP AND SERVICE OCCS	87,060	98,000	10,940	12.6	31,070		
417	65002	HOSTS, HOSTESSES--RESTAURANTS	3,080	3,630	550	17.9	720	11	SHORT-TERM ON-THE-JOB TRAINING
418	65005	BARTENDERS	4,580	4,940	360	7.9	1,430	11	SHORT-TERM ON-THE-JOB TRAINING
419	65008	WAITERS AND WAITRESSES	19,060	21,870	2,810	14.7	7,980	11	SHORT-TERM ON-THE-JOB TRAINING
420	65011	FOOD SERVERS--OUTSIDE	730	930	200	27.4	530	11	SHORT-TERM ON-THE-JOB TRAINING
421	65014	DINING RM ATTENDANTS, BAR HELPERS	4,830	5,120	290	6.0	1,130	11	SHORT-TERM ON-THE-JOB TRAINING
422	65017	COUNTER ATTENDANTS--FOOD	3,190	3,600	410	12.9	2,160	11	SHORT-TERM ON-THE-JOB TRAINING
423	65021	BAKERS--BREAD AND PASTRY	1,730	1,880	150	8.7	340	10	MODERATE-TERM ON-THE-JOB TRAINING
424	65023	BUTCHERS AND MEAT CUTTERS	1,540	1,460	-80	-5.2	250	9	LONG-TERM ON-THE-JOB TRAINING
425	65026	COOKS--RESTAURANT	7,100	8,340	1,240	17.5	1,460	9	LONG-TERM ON-THE-JOB TRAINING
426	65028	COOKS--INSTITUTION OR CAFETERIA	1,890	2,060	170	9.0	370	9	LONG-TERM ON-THE-JOB TRAINING
427	65032	COOKS--SPECIALTY FAST FOOD	4,900	5,730	830	16.9	1,000	11	SHORT-TERM ON-THE-JOB TRAINING
428	65035	COOKS--SHORT ORDER	800	970	170	21.2	170	11	SHORT-TERM ON-THE-JOB TRAINING
429	65038	FOOD PREPARATION WORKERS	13,280	14,730	1,450	10.9	5,460	11	SHORT-TERM ON-THE-JOB TRAINING
430	65041	COMBINED FOOD PREP AND SERVICE	17,420	19,470	2,050	11.8	7,190	11	SHORT-TERM ON-THE-JOB TRAINING
431	65099	FOOD SERVICE WORKERS, NEC	2,930	3,270	340	11.6	880	11	SHORT-TERM ON-THE-JOB TRAINING
432	66000	HEALTH SERVICE, RELATED OCCS	19,220	22,620	3,400	17.7	2,500		
433	66002	DENTAL ASSISTANTS	2,760	3,360	600	21.7	320	10	MODERATE-TERM ON-THE-JOB TRAINING
434	66005	MEDICAL ASSISTANTS	3,320	3,990	670	20.2	630	10	MODERATE-TERM ON-THE-JOB TRAINING
435	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	6,990	7,980	990	14.2	720	11	SHORT-TERM ON-THE-JOB TRAINING
436	66011	HOME HEALTH CARE WORKERS	3,760	4,550	790	21.0	400	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
437	66014	PSYCHIATRIC AIDES	110	120	10	9.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
438	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	620	750	130	21.0	120	10	MODERATE-TERM ON-THE-JOB TRAINING
439	66021	OCCUPATIONAL THERAPY ASSISTANTS	140	160	20	14.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
441	66026	PHARMACY AIDES	460	540	80	17.4	90	11	SHORT-TERM ON-THE-JOB TRAINING
442	66099	HEALTH SERVICE WORKERS, NEC	1,060	1,170	110	10.4	180	11	SHORT-TERM ON-THE-JOB TRAINING
443	67000	CLEANING, BLDING SERV EX PRIV HOUS	30,690	36,510	5,820	19.0	4,910		
444	67002	MAIDS AND HOUSEKEEPING CLEANERS	9,100	10,530	1,430	15.7	1,270	11	SHORT-TERM ON-THE-JOB TRAINING
445	67005	JANITORS, CLEANERS--EXCEPT MAIDS	18,210	22,060	3,850	21.1	3,090	11	SHORT-TERM ON-THE-JOB TRAINING
446	67008	PEST CONTROLLERS AND ASSISTANTS	670	910	240	35.8	130	10	MODERATE-TERM ON-THE-JOB TRAINING
448	67099	CLEANING, BLDING SERV--EX PH, NEC	2,710	3,010	300	11.1	420	11	SHORT-TERM ON-THE-JOB TRAINING
449	68000	MISC PERSONAL SERVICE OCCUPATIONS	15,900	21,370	5,470	34.4	2,520		
451	68005	HAIRDRESSERS, HAIRSTYLISTS	2,830	3,620	790	27.9	580	7	POST-SECONDARY VOCATIONAL EDUCATION
452	68008	MANICURISTS	780	1,050	270	34.6	170	7	POST-SECONDARY VOCATIONAL EDUCATION
454	68014	AMUSEMENT, RECREATION ATTENDANTS	4,800	7,260	2,460	51.3	830	11	SHORT-TERM ON-THE-JOB TRAINING
455	68017	GUIDES	140	180	40	28.6	20	8	WORK EXPERIENCE
456	68021	USHERS, LOBBY ATTENDANTS	1,400	1,800	400	28.6	220	11	SHORT-TERM ON-THE-JOB TRAINING
457	68023	BAGGAGE PORTERS AND BELLHOPS	510	590	80	15.7	80	11	SHORT-TERM ON-THE-JOB TRAINING
461	68035	PERSONAL AND HOME CARE AIDES	1,450	1,850	400	27.6	310	11	SHORT-TERM ON-THE-JOB TRAINING
462	68038	CHILD CARE WORKERS	3,990	5,020	1,030	25.8	310	11	SHORT-TERM ON-THE-JOB TRAINING
464	69000	MISC SERVICE WORKERS	5,760	6,720	960	16.7	1,250	8	WORK EXPERIENCE
466	70000	AGRICULTURAL, FORESTRY, FISHING	18,780	23,420	4,640	24.7	4,120		
467	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	350	430	80	22.9	40	8	WORK EXPERIENCE

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			1999 (2)	2,006					
475	79000	MISC AG, FORESTRY, FISHING	18,430	22,990	4,560	24.7	4,080		
476	79002	FOREST, CONSERVATION WORKERS	420	450	30	7.1	70	11	SHORT-TERM ON-THE-JOB TRAINING
478	79011	GRADERS, SORTERS--AG PRODUCTS	340	410	70	20.6	70	11	SHORT-TERM ON-THE-JOB TRAINING
481	79017	ANIMAL CARETAKERS--EXCEPT FARM	1,520	2,040	520	34.2	180	11	SHORT-TERM ON-THE-JOB TRAINING
482	79021	FARM EQUIPMENT OPERATORS	160	200	40	25.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
483	79033	PRUNERS	510	640	130	25.5	120	11	SHORT-TERM ON-THE-JOB TRAINING
485	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	13,650	16,980	3,330	24.4	3,240	11	SHORT-TERM ON-THE-JOB TRAINING
486	79806	VETERINARY ASSISTANTS	540	700	160	29.6	60	11	SHORT-TERM ON-THE-JOB TRAINING
489	79999	AG, FORESTRY, FISHING--NEC	1,290	1,570	280	21.7	300	11	SHORT-TERM ON-THE-JOB TRAINING
490	80000	PROD, CONST, OPER, MAT HANDLING	248,520	293,590	45,070	18.1	45,100		
491	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	13,960	16,420	2,460	17.6	2,930		
492	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	3,010	3,480	470	15.6	670	8	WORK EXPERIENCE
493	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	3,390	4,110	720	21.2	700	8	WORK EXPERIENCE
494	81008	FIRST-LINE SUP/MGR-PRODUCTION	3,700	4,260	560	15.1	780	8	WORK EXPERIENCE
495	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	670	770	100	14.9	130	8	WORK EXPERIENCE
496	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	1,030	1,240	210	20.4	210	8	WORK EXPERIENCE
497	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	2,160	2,560	400	18.5	440	8	WORK EXPERIENCE
498	83000	INSPECTORS, RELATED OCCUPATIONS	5,420	5,890	470	8.7	880		
499	83002	INSPECTORS, TESTERS, & GRADERS, PRECI	1,640	1,690	50	3.0	240	8	WORK EXPERIENCE
500	83005	PROD INSPECTORS, TESTERS, & GRADER	3,010	3,230	220	7.3	500	8	WORK EXPERIENCE
502	83099	INSPECTORS, TESTERS, RELATED, NEC	770	970	200	26.0	140	8	WORK EXPERIENCE
503	85000	MECHANICS, INSTALLERS, REPAIRERS	37,670	44,170	6,500	17.3	6,960		

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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
504	85100	MACHINERY AND RELATED MECHANICS	12,840	14,800	1,960	15.3	2,180		
505	85110	MACHINERY MAINTENANCE MECHANICS	1,360	1,650	290	21.3	240	9	LONG-TERM ON-THE-JOB TRAINING
508	85116	MAINT MECHANICS--MARINE EQUIP	320	340	20	6.3	50	9	LONG-TERM ON-THE-JOB TRAINING
510	85118	MAINT MECHANICS--WATER, POWER	350	380	30	8.6	60	9	LONG-TERM ON-THE-JOB TRAINING
511	85119	MACHINERY MAINT MECHANICS, NEC	330	360	30	9.1	50	9	LONG-TERM ON-THE-JOB TRAINING
512	85123	MILLWRIGHTS	260	330	70	26.9	60	9	LONG-TERM ON-THE-JOB TRAINING
514	85128	MACHINERY MAINTENANCE WORKERS	280	310	30	10.7	50	9	LONG-TERM ON-THE-JOB TRAINING
515	85132	MAINT REPAIRERS, GENL UTILITY	9,940	11,430	1,490	15.0	1,670	9	LONG-TERM ON-THE-JOB TRAINING
516	85300	MOBILE EQUIP MECHANICS, REPAIRERS	11,410	13,570	2,160	18.9	2,190		
517	85302	AUTOMOTIVE MECHANICS	6,560	7,860	1,300	19.8	1,250	9	LONG-TERM ON-THE-JOB TRAINING
518	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	1,980	2,370	390	19.7	440	9	LONG-TERM ON-THE-JOB TRAINING
520	85311	BUS AND TRUCK MECHANICS	1,560	1,790	230	14.7	260	9	LONG-TERM ON-THE-JOB TRAINING
521	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	510	660	150	29.4	110	9	LONG-TERM ON-THE-JOB TRAINING
522	85317	RAIL CAR REPAIRERS	120	130	10	8.3	20	9	LONG-TERM ON-THE-JOB TRAINING
524	85323	AIRCRAFT MECHANICS	500	530	30	6.0	70	7	POST-SECONDARY VOCATIONAL EDUCATION
526	85328	SMALL ENGINE SPECIALISTS	180	230	50	27.8	40	9	LONG-TERM ON-THE-JOB TRAINING
528	85500	COMM EQUIPMENT MECHANICS	1,290	1,410	120	9.3	290		
529	85502	CENTRAL OFFICE AND PBX INSTALLERS	160	210	50	31.3	40	7	POST-SECONDARY VOCATIONAL EDUCATION
530	85505	FRAME WIRERS, CENTRAL OFFICE	710	730	20	2.8	160	7	POST-SECONDARY VOCATIONAL EDUCATION
534	85599	COMM EQUIPMENT MECHANICS, NEC	420	470	50	11.9	90	7	POST-SECONDARY VOCATIONAL EDUCATION
535	85700	OTHER ELECTRICAL EQUIP MECHANICS	5,630	6,820	1,190	21.1	1,140		
536	85702	TELEPHONE, CABLE TV INSTALLERS	1,590	2,060	470	29.6	410	9	LONG-TERM ON-THE-JOB TRAINING
537	85705	DATA PROCESSING EQUIP REPAIRERS	900	1,070	170	18.9	100	7	POST-SECONDARY VOCATIONAL EDUCATION
538	85708	ELECT HOME ENTERTAINMENT REPAIRERS	320	320	0	0.0	60	7	POST-SECONDARY VOCATIONAL EDUCATION
539	85711	ELECT HOME APPL & POWER TOOL REPAI	150	180	30	20.0	30	9	LONG-TERM ON-THE-JOB TRAINING
541	85717	ELECT REPAIRERS--COMMERCIAL	900	1,020	120	13.3	190	7	POST-SECONDARY VOCATIONAL EDUCATION
543	85723	ELECT POWERLINE INSTALLERS	520	580	60	11.5	90	9	LONG-TERM ON-THE-JOB TRAINING
545	85728	ELEC INSTALLERS--TRANS EQUIPMENT	270	290	20	7.4	50	7	POST-SECONDARY VOCATIONAL EDUCATION
546	85799	ELECT EQUIP MECHANICS, NEC	980	1,300	320	32.7	210	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
547	85900	MISC MECH, INSTALLERS, REPAIRERS	6,500	7,570	1,070	16.5	1,160		
548	85902	HEATING, AC, REFRIG MECHANICS	1,400	1,730	330	23.6	200	9	LONG-TERM ON-THE-JOB TRAINING
549	85905	INSTRUMENT REPAIRERS, PRECISION	310	300	-10	-3.2	50	9	LONG-TERM ON-THE-JOB TRAINING
550	85908	ELECTROMED, BIOMEDL EQUIP REPAIRER	110	140	30	27.3	20	9	LONG-TERM ON-THE-JOB TRAINING
555	85923	LOCKSMITHS AND SAFE REPAIRERS	100	130	30	30.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
556	85926	OFF MACH, CASH REGISTER SERVICERS	340	400	60	17.6	60	9	LONG-TERM ON-THE-JOB TRAINING
557	85928	MECH CONTROL, VALVE INSTALLERS	270	280	10	3.7	50	9	LONG-TERM ON-THE-JOB TRAINING
558	85932	ELEVATOR INSTALLERS AND REPAIRERS	110	130	20	18.2	20	9	LONG-TERM ON-THE-JOB TRAINING
559	85935	RIGGERS	330	340	10	3.0	50	9	LONG-TERM ON-THE-JOB TRAINING
560	85938	INSTALLER & REPAIRER, MOBILE HOME	130	140	10	7.7	20	9	LONG-TERM ON-THE-JOB TRAINING
562	85947	COIN, VENDING MACHINE SERVICERS	220	250	30	13.6	40	9	LONG-TERM ON-THE-JOB TRAINING
564	85953	TIRE REPAIRERS AND CHANGERS	1,060	1,170	110	10.4	350	11	SHORT-TERM ON-THE-JOB TRAINING
566	85999	MECHS, INSTALLERS, REPAIRERS, NEC	2,120	2,560	440	20.8	280	9	LONG-TERM ON-THE-JOB TRAINING
567	87000	CONSTRUCTION TRADES	41,760	49,160	7,400	17.7	6,950		
568	87100	CARPENTERS AND RELATED WORKERS	15,420	18,150	2,730	17.7	2,830		
569	87102	CARPENTERS	11,900	14,050	2,150	18.1	2,430	9	LONG-TERM ON-THE-JOB TRAINING
570	87105	CEILING TILE INSTALLERS	340	400	60	17.6	70	10	MODERATE-TERM ON-THE-JOB TRAINING
571	87108	DRYWALL INSTALLERS	1,840	2,160	320	17.4	190	10	MODERATE-TERM ON-THE-JOB TRAINING
572	87111	TAPERS	880	1,040	160	18.2	90	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87114	LATHERS	460	500	40	8.7	50	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87200	ELECTRICIANS AND RELATED WORKERS	5,630	6,630	1,000	17.8	870		
576	87202	ELECTRICIANS	5,630	6,630	1,000	17.8	870	9	LONG-TERM ON-THE-JOB TRAINING
577	87300	MASONS AND RELATED WORKERS	4,690	5,620	930	19.8	550		
578	87302	BRICK MASONS	310	390	80	25.8	50	9	LONG-TERM ON-THE-JOB TRAINING
580	87308	HARD TILE SETTERS	180	200	20	11.1	30	9	LONG-TERM ON-THE-JOB TRAINING
581	87311	CONCRETE AND TERRAZZO FINISHERS	3,350	3,990	640	19.1	300	9	LONG-TERM ON-THE-JOB TRAINING
582	87314	REINFORCING METAL WORKERS	170	190	20	11.8	30	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
583	87317	PLASTERERS AND STUCCO MASONS	680	850	170	25.0	140	9	LONG-TERM ON-THE-JOB TRAINING
584	87400	PAINTERS AND RELATED WORKERS	3,530	4,200	670	19.0	690		
585	87402	PAINTERS, PAPERHANGERS--CONST	3,530	4,200	670	19.0	690	10	MODERATE-TERM ON-THE-JOB TRAINING
586	87500	PLUMBERS AND RELATED WORKERS	4,720	5,450	730	15.5	460		
587	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	4,510	5,220	710	15.7	420	9	LONG-TERM ON-THE-JOB TRAINING
589	87508	PIPELAYERS	210	230	20	9.5	40	10	MODERATE-TERM ON-THE-JOB TRAINING
591	87600	CARPET, FLOOR INSTALLERS	710	820	110	15.5	120		
592	87602	CARPET INSTALLERS	600	690	90	15.0	100	10	MODERATE-TERM ON-THE-JOB TRAINING
593	87605	FLOOR LAYERS--EX CARPET,WOOD,TILES	110	130	20	18.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
595	87700	SELECTED ROAD, RAIL AND RELATED	1,110	1,250	140	12.6	210		
598	87708	PAVING, TAMPING-EQUIP OPERATORS	670	770	100	14.9	130	10	MODERATE-TERM ON-THE-JOB TRAINING
599	87711	HIGHWAY MAINTENANCE WORKERS	440	480	40	9.1	80	11	SHORT-TERM ON-THE-JOB TRAINING
601	87800	CONSTRUCTION TRADES, NEC	4,590	5,380	790	17.2	960		
602	87802	INSULATION WORKERS	170	180	10	5.9	40	10	MODERATE-TERM ON-THE-JOB TRAINING
603	87803	HAZARDOUS MATERIALS REMOVAL WORKER	280	330	50	17.9	50	7	POST-SECONDARY VOCATIONAL EDUCATION
604	87805	SHEET METAL DUCT INSTALLERS	140	180	40	28.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
605	87808	ROOFERS	1,290	1,490	200	15.5	330	10	MODERATE-TERM ON-THE-JOB TRAINING
606	87811	GLAZIERS	800	910	110	13.8	150	9	LONG-TERM ON-THE-JOB TRAINING
607	87814	STRUCTURAL METAL WORKERS	790	890	100	12.7	150	9	LONG-TERM ON-THE-JOB TRAINING
608	87817	FENCE ERECTORS	330	400	70	21.2	60	10	MODERATE-TERM ON-THE-JOB TRAINING
609	87899	CONSTRUCTION TRADES WORKERS, NEC	790	1,000	210	26.6	150	10	MODERATE-TERM ON-THE-JOB TRAINING
610	87900	EXTRACTIVE AND RELATED WORKERS	1,360	1,660	300	22.1	260		
624	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	1,360	1,660	300	22.1	260	10	MODERATE-TERM ON-THE-JOB TRAINING
625	89000	PRODUCTION OCCUPATIONS, PRECISION	16,250	18,390	2,140	13.2	2,490		

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			1999 (2)	2,006					
626	89100	METAL WORKERS, PRECISION	8,180	9,130	950	11.6	1,300		
627	89102	TOOL AND DIE MAKERS	730	830	100	13.7	100	9	LONG-TERM ON-THE-JOB TRAINING
629	89108	MACHINISTS	4,460	5,010	550	12.3	660	9	LONG-TERM ON-THE-JOB TRAINING
630	89111	TOOL GRINDERS, FILERS, SHARPENERS	120	130	10	8.3	20	9	LONG-TERM ON-THE-JOB TRAINING
633	89121	SHIPFITTERS	570	570	0	0.0	100	9	LONG-TERM ON-THE-JOB TRAINING
634	89123	JEWELERS AND SILVERSMITHS	270	310	40	14.8	50	9	LONG-TERM ON-THE-JOB TRAINING
637	89132	SHEET METAL WORKERS	1,830	2,060	230	12.6	330	10	MODERATE-TERM ON-THE-JOB TRAINING
639	89199	METAL WORKERS, NEC--PRECISION	200	220	20	10.0	40	9	LONG-TERM ON-THE-JOB TRAINING
640	89300	WOODWORKERS, PRECISION	2,180	2,580	400	18.3	240		
643	89308	WOOD MACHINISTS	300	330	30	10.0	30	9	LONG-TERM ON-THE-JOB TRAINING
644	89311	CABINETMAKERS AND BENCH CARPENTERS	1,390	1,680	290	20.9	120	9	LONG-TERM ON-THE-JOB TRAINING
645	89314	FURNITURE FINISHERS	330	390	60	18.2	60	9	LONG-TERM ON-THE-JOB TRAINING
646	89399	WOODWORKERS, NEC--PRECISION	160	180	20	12.5	30	9	LONG-TERM ON-THE-JOB TRAINING
647	89500	TEXTILE, APPAREL, FURNISHINGS,PREC	1,100	1,310	210	19.1	170		
649	89505	CUSTOM TAILORS AND SEWERS	360	390	30	8.3	50	8	WORK EXPERIENCE
650	89508	UPHOLSTERERS	270	330	60	22.2	40	9	LONG-TERM ON-THE-JOB TRAINING
652	89514	SPOTTERS--DRY CLEANING	140	180	40	28.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
653	89517	PRESSERS--DELICATE FABRICS	220	270	50	22.7	30	9	LONG-TERM ON-THE-JOB TRAINING
655	89599	TEXT,APPAREL,FURNISHINGS,NEC--PREC	110	140	30	27.3	20	9	LONG-TERM ON-THE-JOB TRAINING
656	89700	PRINTING WORKERS, PRECISION	840	960	120	14.3	110		
658	89705	JOB PRINTERS	260	290	30	11.5	40	9	LONG-TERM ON-THE-JOB TRAINING
660	89707	ELECTRONIC PAGINATION SYSTEM WKRS	220	330	110	50.0	30	9	LONG-TERM ON-THE-JOB TRAINING
665	89717	STRIPPERS	250	220	-30	-12.0	30	9	LONG-TERM ON-THE-JOB TRAINING
666	89718	PLATEMAKERS	110	120	10	9.1	10	9	LONG-TERM ON-THE-JOB TRAINING
670	89800	FOOD WORKERS, PRECISION	290	360	70	24.1	40		
672	89805	BAKERS--MANUFACTURING	190	240	50	26.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
673	89808	FOOD BATCHMAKERS	100	120	20	20.0	20	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
675	89900	OTHER PRECISION WORKERS	3,660	4,050	390	10.7	630		
681	89917	OPTICAL GOODS WORKERS, PRECISION	300	320	20	6.7	30	9	LONG-TERM ON-THE-JOB TRAINING
682	89921	DENTAL LAB TECHNICIANS, PRECISION	520	520	0	0.0	70	9	LONG-TERM ON-THE-JOB TRAINING
685	89999	WORKERS, PRECISION--NEC	2,840	3,210	370	13.0	530	9	LONG-TERM ON-THE-JOB TRAINING
686	91000	MACH SETTERS, SET-UP, OPS, TENDERS	23,020	27,120	4,100	17.8	3,650		
687	91100	MACH TOOL CUTTING--METAL, PLASTIC	1,320	1,390	70	5.3	230		
689	91105	LATHE MACH SETTERS--METAL, PLASTIC	260	270	10	3.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
690	91108	DRILLING MACH SETTER--METAL, PLASTI	180	180	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
691	91111	MILLING MACH SETTERS--METAL, PLASTI	280	320	40	14.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING
692	91114	GRINDING MACH SETTER--METAL, PLASTI	330	350	20	6.1	60	10	MODERATE-TERM ON-THE-JOB TRAINING
693	91117	MACH TOOL CUTTING OPS--METAL, PLAST	270	270	0	0.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
694	91300	MACH FORMING SETTERS--METAL, PLASTI	820	920	100	12.2	130		
695	91302	PUNCH MACH SETTERS--METAL, PLASTIC	150	160	10	6.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
696	91305	PRESS MACH SETTERS--METAL, PLASTIC	220	260	40	18.2	30	10	MODERATE-TERM ON-THE-JOB TRAINING
701	91321	MACH FORMING OPS, TENDERS--MET, PLAS	450	500	50	11.1	80	10	MODERATE-TERM ON-THE-JOB TRAINING
702	91500	MACH TOOL SETTERS, OPS--METAL, PLAS	1,260	1,580	320	25.4	220		
703	91502	NUMERICAL MACH TOOL OPS--MET, PLAS	840	1,080	240	28.6	150	10	MODERATE-TERM ON-THE-JOB TRAINING
704	91505	COMB MACH TOOL SETTERS--MET, PLAST	230	270	40	17.4	40	10	MODERATE-TERM ON-THE-JOB TRAINING
705	91508	COMB MACH TOOL OPS--METAL, PLASTIC	190	230	40	21.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING
706	91700	METAL FABRICATING MACH SETTERS, OPS	460	550	90	19.6	90		
708	91705	WELDING MACH OPERATORS AND TENDERS	260	310	50	19.2	50	10	MODERATE-TERM ON-THE-JOB TRAINING
711	91714	METAL FABRICATOR, STRUCT MET PRODS	200	240	40	20.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
712	91900	METAL, PLAST PROCESS MACH SETTERS	1,990	2,410	420	21.1	390		
713	91902	PLAST MOLDING, CASTING MACH SETTER	940	1,150	210	22.3	180	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91905	PLASTIC MOLDING, CASTING MACH OPS	540	670	130	24.1	110	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
718	91917	ELECTROLYTIC PLATING, MACH SETTER	190	220	30	15.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
719	91921	ELECTROLYTIC PLATING, MACH OPS	320	370	50	15.6	60	10	MODERATE-TERM ON-THE-JOB TRAINING
727	92100	METAL, PLAST MACH SETTERS, OPS NEC	610	740	130	21.3	120		
728	92197	CUT, FORM, FAB, PROC MACH SETTER	130	160	30	23.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING
729	92198	CUT, FORM, FAB, PROCESS MACH OPS	480	580	100	20.8	90	10	MODERATE-TERM ON-THE-JOB TRAINING
730	92300	WOODWORKING MACH SETTERS, OPS	100	110	10	10.0	20		
733	92308	SAWING MACH OPS AND TENDERS	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
736	92500	PRINTING, BINDING, RELATED WORKERS	3,130	3,600	470	15.0	510		
738	92512	OFFSET LITHOGRAPHIC PRESS SETTERS	440	440	0	0.0	70	10	MODERATE-TERM ON-THE-JOB TRAINING
739	92515	LETTERPRESS SETTERS, SET-UP OPS	110	110	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
742	92524	SCREEN PRINT MACH SETTERS, SET-UP	910	1,020	110	12.1	150	10	MODERATE-TERM ON-THE-JOB TRAINING
743	92525	BINDERY MACH SETTERS, SET-UP OPS	220	250	30	13.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
746	92543	PRINTING PRESS MACHINE OPS, TENDER	1,110	1,350	240	21.6	190	10	MODERATE-TERM ON-THE-JOB TRAINING
748	92546	BINDERY MACHINE OPERATORS	340	430	90	26.5	50	10	MODERATE-TERM ON-THE-JOB TRAINING
750	92700	TEXTILE, RELATED SETTERS, OPS	5,400	6,190	790	14.6	670		
752	92705	TEXTILE OPS,TNDRS--WIND,TWIST,KNIT	270	320	50	18.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
756	92717	SEWING MACHINE OPERATORS--GARMENT	2,090	2,200	110	5.3	200	10	MODERATE-TERM ON-THE-JOB TRAINING
757	92721	SEWING MACHINE OPS--NON-GARMENT	1,140	1,270	130	11.4	110	10	MODERATE-TERM ON-THE-JOB TRAINING
759	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	1,300	1,630	330	25.4	250	10	MODERATE-TERM ON-THE-JOB TRAINING
760	92728	PRESSING MACH OPS--TEXTILE, GARMEN	600	770	170	28.3	80	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92900	MACH SETTER,SET-UP,OP--EX MET,PLAS	7,930	9,630	1,700	21.4	1,270		
762	92902	ELECTRONIC SEMICONDUCTOR PROCESSOR	180	250	70	38.9	20	10	MODERATE-TERM ON-THE-JOB TRAINING
764	92908	PHOTOGRAPHIC PROC MACH OPS,TNDRS	340	340	0	0.0	90	11	SHORT-TERM ON-THE-JOB TRAINING
766	92914	PAPER GOODS MACH SETTERS,SET-UP OP	210	230	20	9.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
775	92941	CUT, SLICING MACH SETTERS, SET-UP	130	150	20	15.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
776	92944	CUTTING, SLICING MACH OPS, TNDRS	210	240	30	14.3	40	10	MODERATE-TERM ON-THE-JOB TRAINING
777	92947	PAINTERS, TRANSPORTATION EQUIP	390	430	40	10.3	60	10	MODERATE-TERM ON-THE-JOB TRAINING
778	92951	PAINT, COAT & SPRAY MACH SETTERS	200	230	30	15.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
779	92953	PAINTING, REL MACH OPS, TENDERS	440	520	80	18.2	70	10	MODERATE-TERM ON-THE-JOB TRAINING
780	92956	CEMENTING, GLUING MACH OPS, TENDERS	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
783	92965	CRUSHING, MIXING MACH OPS, TNDRS	310	380	70	22.6	60	10	MODERATE-TERM ON-THE-JOB TRAINING
784	92968	EXTRUDING, FORMING, SETTERS, SET-U	190	230	40	21.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
785	92971	EXTRUDING, FORMING MACH OPS, TNDRS	120	150	30	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
786	92974	PACKAGING, FILLING MACH OPS, TNDRS	2,240	2,610	370	16.5	440	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92997	MACHINE SETTERS & SET-UP OPS, NEC	640	810	170	26.6	70	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92998	MACHINE OPERATORS AND TENDERS, NEC	2,230	2,950	720	32.3	260	10	MODERATE-TERM ON-THE-JOB TRAINING
789	93000	ASSEMBLERS AND FABRICATORS--HAND	32,290	39,080	6,790	21.0	5,350		
790	93100	ASSEMBLERS, PRECISION	4,940	5,530	590	11.9	810		
792	93105	MACH BLDG, OTH PREC MACH ASSEMBLER	260	320	60	23.1	50	8	WORK EXPERIENCE
794	93111	ELECTROMECH EQUIP ASSEMBLERS--PREC	520	570	50	9.6	80	8	WORK EXPERIENCE
795	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	3,650	4,090	440	12.1	590	8	WORK EXPERIENCE
797	93197	ASSEMBLERS, NEC--PRECISION	510	550	40	7.8	90	8	WORK EXPERIENCE
798	93900	OTHER HAND WORKERS	27,350	33,550	6,200	22.7	4,540		
799	93902	MACHINE ASSEMBLERS	510	590	80	15.7	70	11	SHORT-TERM ON-THE-JOB TRAINING
800	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	4,410	5,310	900	20.4	600	11	SHORT-TERM ON-THE-JOB TRAINING
803	93914	WELDERS AND CUTTERS	2,580	3,040	460	17.8	490	7	POST-SECONDARY VOCATIONAL EDUCATION
804	93917	SOLDERERS AND BRAZERS	650	750	100	15.4	110	11	SHORT-TERM ON-THE-JOB TRAINING
806	93923	SEWERS--HAND	230	260	30	13.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
807	93926	CUTTERS AND TRIMMERS--HAND	340	370	30	8.8	60	11	SHORT-TERM ON-THE-JOB TRAINING
810	93935	CANNERY WORKERS	250	270	20	8.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
814	93947	PAINTING, COATING, DECORATING--HAN	200	270	70	35.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
815	93951	ENGRAVING, PRINTING WORKERS--HAND	100	140	40	40.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
816	93953	GRINDING, POLISHING WORKERS--HAND	800	910	110	13.8	160	11	SHORT-TERM ON-THE-JOB TRAINING
817	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	10,640	12,550	1,910	18.0	1,430	11	SHORT-TERM ON-THE-JOB TRAINING
818	93999	HAND WORKERS, NEC	6,640	9,090	2,450	36.9	1,480	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
819	95000	PLANT AND SYSTEM OCCUPATIONS	1,880	2,090	210	11.2	370		
820	95002	WATER TREATMENT PLANT OPERATORS	840	870	30	3.6	140	9	LONG-TERM ON-THE-JOB TRAINING
822	95008	CHEMICAL PLANT, SYSTEM OPERATORS	160	210	50	31.3	40	9	LONG-TERM ON-THE-JOB TRAINING
830	95032	STATIONARY ENGINEERS	170	160	-10	-5.9	20	9	LONG-TERM ON-THE-JOB TRAINING
831	95099	PLANT AND SYSTEM OPERATORS, NEC	710	850	140	19.7	170	9	LONG-TERM ON-THE-JOB TRAINING
832	97000	TRANS, MATERIAL MOVING MACHINE OPS	33,980	40,770	6,790	20.0	4,290		
833	97100	MOTOR VEHICLE OPERATORS	25,330	30,450	5,120	20.2	3,000		
834	97102	TRUCK DRIVERS, HEAVY	5,150	6,350	1,200	23.3	570	11	SHORT-TERM ON-THE-JOB TRAINING
835	97105	TRUCK DRIVERS, LIGHT	12,510	15,650	3,140	25.1	1,400	11	SHORT-TERM ON-THE-JOB TRAINING
836	97108	BUS DRIVERS	2,430	2,580	150	6.2	310	10	MODERATE-TERM ON-THE-JOB TRAINING
837	97111	BUS DRIVERS--SCHOOL	1,470	1,700	230	15.6	200	11	SHORT-TERM ON-THE-JOB TRAINING
838	97114	TAXI DRIVERS AND CHAUFFEURS	520	590	70	13.5	60	11	SHORT-TERM ON-THE-JOB TRAINING
839	97117	DRIVER/SALES WORKERS	2,660	2,970	310	11.7	390	11	SHORT-TERM ON-THE-JOB TRAINING
840	97199	MOTOR VEHICLE OPERATORS, NEC	590	610	20	3.4	70	11	SHORT-TERM ON-THE-JOB TRAINING
841	97300	RAIL TRANSPORTATION WORKERS	240	250	10	4.2	60		
846	97314	SUBWAY AND STREETCAR OPERATORS	240	250	10	4.2	60	10	MODERATE-TERM ON-THE-JOB TRAINING
857	97700	AIR TRANSPORTATION WORKERS	180	220	40	22.2	30		
858	97702	AIRCRAFT PILOTS, FLIGHT ENGINEERS	180	220	40	22.2	30	9	LONG-TERM ON-THE-JOB TRAINING
859	97800	MISC TRANSPORTATION WORKERS	3,400	4,180	780	22.9	590		
861	97805	SERVICE STATION ATTENDANTS	710	690	-20	-2.8	220	11	SHORT-TERM ON-THE-JOB TRAINING
862	97808	PARKING LOT ATTENDANTS	1,680	2,350	670	39.9	240	11	SHORT-TERM ON-THE-JOB TRAINING
863	97899	TRANS AND RELATED WORKERS, NEC	1,010	1,140	130	12.9	130	10	MODERATE-TERM ON-THE-JOB TRAINING
864	97900	MATERIAL MOVEMENT EQUIP OPERATORS	4,830	5,670	840	17.4	610		
872	97923	EXCAVATING, LOADING MACHINE OPS	330	440	110	33.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
877	97938	GRADER, DOZER, SCRAPER OPERATORS	500	590	90	18.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97944	CRANE AND TOWER OPERATORS	120	130	10	8.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
880	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	1,390	1,630	240	17.3	120	11	SHORT-TERM ON-THE-JOB TRAINING
883	97956	OPERATING ENGINEERS	1,260	1,420	160	12.7	170	10	MODERATE-TERM ON-THE-JOB TRAINING
884	97989	MATERIAL MOVING EQUIP OPS, NEC	950	1,150	200	21.1	170	10	MODERATE-TERM ON-THE-JOB TRAINING
885	97999	TRANS, MAT MOVING EQUIP OPS, NEC	280	310	30	10.7	50	10	MODERATE-TERM ON-THE-JOB TRAINING
886	98000	HELPERS, LABORERS, HAND--EX AG	42,290	50,500	8,210	19.4	11,230		
887	98100	MECHANIC AND REPAIRER HELPERS	2,640	3,290	650	24.6	950		
888	98102	MECHANIC AND REPAIRER HELPERS, NEC	2,640	3,290	650	24.6	950	11	SHORT-TERM ON-THE-JOB TRAINING
889	98300	CONST TRADES, EXTRACTIVE--HELPERS	7,720	9,110	1,390	18.0	2,670		
890	98311	HELPERS--BRICK,STONE MASONS	370	430	60	16.2	130	11	SHORT-TERM ON-THE-JOB TRAINING
891	98312	HELPERS--CARPENTERS AND RELATED	3,030	3,670	640	21.1	1,100	11	SHORT-TERM ON-THE-JOB TRAINING
892	98313	HELPERS--ELECT, POWERLINE INSTALL	740	770	30	4.1	250	11	SHORT-TERM ON-THE-JOB TRAINING
893	98314	HELPERS--PAINTERS AND RELATED	670	790	120	17.9	240	11	SHORT-TERM ON-THE-JOB TRAINING
894	98315	HELPERS--PLUMBERS AND RELATED	680	800	120	17.6	240	11	SHORT-TERM ON-THE-JOB TRAINING
895	98316	HELPERS--ROOFERS	230	280	50	21.7	80	11	SHORT-TERM ON-THE-JOB TRAINING
896	98319	HELPERS--CONSTRUCTION TRADES, NEC	1,780	2,130	350	19.7	630	11	SHORT-TERM ON-THE-JOB TRAINING
898	98399	HELPERS-CONST TRDS & EXTRCT WRKRS	220	240	20	9.1	0	11	SHORT-TERM ON-THE-JOB TRAINING
899	98500	MACHINE FEEDERS AND OFFBEARERS	970	1,140	170	17.5	230		
900	98502	MACHINE FEEDERS AND OFFBEARERS,NEC	970	1,140	170	17.5	230	11	SHORT-TERM ON-THE-JOB TRAINING
901	98700	FREIGHT, STOCK, MAT MOVERS, HAND	6,430	6,980	550	8.6	1,820		
902	98702	STEVEDORES--EX EQUIPMENT OPERATORS	110	120	10	9.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
903	98705	REFUSE COLLECTORS	940	980	40	4.3	270	11	SHORT-TERM ON-THE-JOB TRAINING
904	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	5,380	5,880	500	9.3	1,520	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SAN DIEGO COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
905	98900	MISC HELPERS, LABORERS--HAND	24,530	29,980	5,450	22.2	5,560		
906	98902	HAND PACKERS AND PACKAGERS	6,710	8,860	2,150	32.0	1,350	11	SHORT-TERM ON-THE-JOB TRAINING
907	98905	VEHICLE WASHERS, EQUIP CLEANERS	3,600	4,300	700	19.4	870	11	SHORT-TERM ON-THE-JOB TRAINING
908	98999	MISC HELPERS, LABORERS--HAND, NEC	14,220	16,820	2,600	18.3	3,340	11	SHORT-TERM ON-THE-JOB TRAINING
909		OCCUPATIONS NOT CLASSIFIED	10	10	0	0.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49011	SALESPERSONS, RETAIL	17,550	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	13,310	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	11,820	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	10,790	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVE	9,630	4	WORK EXPERIENCE, PLUS A BACHELOR'S OR HIGHER
65041	COMBINED FOOD PREP AND SERVICE	9,240	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAID	6,940	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	6,910	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GRNDSKEEPING	6,570	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	5,330	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	5,220	5	BACHELOR'S DEGREE
55305	RECEPTIONISTS, INFORMATION CLERKS	4,770	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	4,580	5	BACHELOR'S DEGREE
87102	CARPENTERS	4,580	9	LONG-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	4,540	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	4,360	7	POST-SECONDARY VOCATIONAL EDUCATION
25104	COMPUTER SUPPORT SPECIALISTS	3,620	5	BACHELOR'S DEGREE
32502	REGISTERED NURSES	3,580	6	ASSOCIATE DEGREE
98902	HAND PACKERS AND PACKAGERS	3,500	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH,ELECT	3,340	11	SHORT-TERM ON-THE-JOB TRAINING
68014	AMUSEMENT, RECREATION ATTENDANT	3,290	11	SHORT-TERM ON-THE-JOB TRAINING
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESS	3,210	5	BACHELOR'S DEGREE
85132	MAINT REPAIRERS, GENL UTILITY	3,160	9	LONG-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	3,050	10	MODERATE-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	2,770	5	BACHELOR'S DEGREE

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	2,760	10	MODERATE-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	2,700	9	LONG-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	2,700	11	SHORT-TERM ON-THE-JOB TRAINING
49026	TELEMARKETERS, SOLICITORS & RELATED	2,590	11	SHORT-TERM ON-THE-JOB TRAINING
65017	COUNTER ATTENDANTS--FOOD	2,570	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	2,550	9	LONG-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	2,540	11	SHORT-TERM ON-THE-JOB TRAINING
25105	COMPUTER PROGRAMMERS	2,420	5	BACHELOR'S DEGREE
22126	ELECT AND ELECTRONIC ENGINEERS	2,340	5	BACHELOR'S DEGREE
21114	ACCOUNTANTS AND AUDITORS	2,200	5	BACHELOR'S DEGREE
31521	TEACHER AIDES, PARAPROFESSIONAL	2,200	6	ASSOCIATE DEGREE
13017	ENGINEER, MATH, AND NAT SCI MGR	2,190	4	WORK EXPERIENCE, PLUS A BACHELOR'S OR HIGHER
49021	STOCK CLERKS--SALES FLOOR	2,190	11	SHORT-TERM ON-THE-JOB TRAINING
22505	ELECT, ELECTRONIC ENGINEERING TECH	2,030	6	ASSOCIATE DEGREE
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	1,890	11	SHORT-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	1,870	9	LONG-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	1,830	11	SHORT-TERM ON-THE-JOB TRAINING
65005	BARTENDERS	1,790	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	1,770	11	SHORT-TERM ON-THE-JOB TRAINING
13011	MKTING, ADV, PUB-REL MANAGERS	1,760	4	WORK EXPERIENCE, PLUS A BACHELOR'S OR HIGHER
31303	TEACHERS, PRESCHOOL	1,740	5	BACHELOR'S DEGREE
98312	HELPERS--CARPENTERS AND RELATED	1,740	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,710	11	SHORT-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	1,680	11	SHORT-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	1,670	4	WORK EXPERIENCE, PLUS A BACHELOR'S OR HIGHER
TOTAL OF THESE OCCUPATIONS		209,090		

(1) Excludes not elsewhere classified (NEC) categories.

Table 8
Occupations With Projected Declines (1)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
55307	TYPISTS, INCLUDING WORD PROCESS	3,730	3,300	-430	480	10	MODERATE-TERM ON-THE-JOB TRAINING
56011	COMPUTER OPS--EX PERIPHERAL EQUIP	1,870	1,630	-240	170	10	MODERATE-TERM ON-THE-JOB TRAINING
57105	DIRECTORY ASSISTANCE OPERATORS	770	630	-140	110	10	MODERATE-TERM ON-THE-JOB TRAINING
65023	BUTCHERS AND MEAT CUTTERS	1,540	1,460	-80	250	9	LONG-TERM ON-THE-JOB TRAINING
56014	PERIPHERAL EDP EQUIPMENT OPERAT	380	310	-70	30	10	MODERATE-TERM ON-THE-JOB TRAINING
28302	LAW CLERKS	930	870	-60	70	6	ASSOCIATE DEGREE
53102	TELLERS	5,300	5,250	-50	1,610	11	SHORT-TERM ON-THE-JOB TRAINING
57102	SWITCHBOARD OPERATORS	1,630	1,580	-50	250	11	SHORT-TERM ON-THE-JOB TRAINING
57108	CENTRAL OFFICE OPERATORS	510	460	-50	70	10	MODERATE-TERM ON-THE-JOB TRAINING
55326	PROCUREMENT CLERKS	480	450	-30	50	11	SHORT-TERM ON-THE-JOB TRAINING
53502	WELFARE ELIG WORKERS, INTERVIEW	270	240	-30	40	10	MODERATE-TERM ON-THE-JOB TRAINING
89717	STRIPPERS	250	220	-30	30	9	LONG-TERM ON-THE-JOB TRAINING
53126	STATEMENT CLERKS	130	100	-30	10	11	SHORT-TERM ON-THE-JOB TRAINING
97805	SERVICE STATION ATTENDANTS	710	690	-20	220	11	SHORT-TERM ON-THE-JOB TRAINING
56021	DATA KEYERS--COMPOSING	280	260	-20	10	7	POST-SECONDARY VOCATIONAL EDUCATION
56002	BILLING, POSTING, CALC MACHINE	800	790	-10	110	11	SHORT-TERM ON-THE-JOB TRAINING
53911	PROOFREADERS AND COPY MARKERS	330	320	-10	70	11	SHORT-TERM ON-THE-JOB TRAINING
85905	INSTRUMENT REPAIRERS, PRECISION	310	300	-10	50	9	LONG-TERM ON-THE-JOB TRAINING
95032	STATIONARY ENGINEERS	170	160	-10	20	9	LONG-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		20,390	19,020	-1,370	3,650		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Appendix

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	854	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDIT, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	309	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	333	53908
AERONAUT, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURE, FORESTRY, FISHING--NEC	489	79999
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL, FORESTRY, FISHING	466	70000
AIR DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AIR HAMMER OPERATORS	596	87702
AIR TRANSPORTATION WORKERS	857	97700
AIRCRAFT ASSEMBLERS--PRECISION	791	93102
AIRCRAFT ENGINE SPECIALISTS	525	85326
AIRCRAFT MECHANICS	524	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	858	97702
AMBULANCE DRIVERS & ATTENDANTS, EX EMER MED TECHS	440	66023
AMUSEMENT, RECREATION ATTENDANTS	454	68014
ANIMAL BREEDERS	479	79015
ANIMAL CARETAKERS--EXCEPT FARM	481	79017
ANIMAL TRAINERS	480	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHRO & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	279	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULT STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMB, FABRICATORS--EX MACH, ELECT, PRECISION	817	93956
ASSEMBLERS AND FABRICATORS--HAND WORKING	789	93000
ASSEMBLERS, NEC--PRECISION	797	93197
ASSEMBLERS, PRECISION	790	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRERS, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	518	85305
AUTOMOTIVE MECHANICS	517	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	827	95023
BAGGAGE PORTERS AND BELLHOPS	457	68023
BAILIFFS	406	63023
BAKERS--BREAD AND PASTRY	423	65021

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	672	89805
BANKING, SECURITY, FINANCE, CREDIT	301	53100
BARBERS	450	68002
BARTENDERS	418	65005
BICYCLE REPAIRERS	563	85951
BILL AND ACCOUNT COLLECTORS	321	53508
BILLING, COST, AND RATE CLERKS	355	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	358	56002
BINDERY MACH SETTERS, SET-UP OPERATORS	743	92525
BINDERY MACHINE OPERATORS	748	92546
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL &, FOOD TECHS EX HEALTH	96	24502
BLASTERS AND EXPLOSIVES WORKERS	612	87905
BOILER OPS, TENDERS--LOW PRESSURE	770	92926
BOILERMAKERS	638	89135
BOOKBINDERS	668	89721
BOOKKEEPING, ACCOUNTING CLERKS	353	55338
BRATTICE BUILDERS	574	87121
BRICK MASONS	578	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	860	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	311	53128
BROKERS--REAL ESTATE	277	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	520	85311
BUS DRIVERS	836	97108
BUS DRIVERS--SCHOOL	837	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	424	65023
CABINETMAKERS AND BENCH CARPENTERS	644	89311
CAMERA OPERATORS	663	89713
CAMERA OPS--TV AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	552	85914
CANNERY WORKERS	810	93935
CAPTAINS--WATER VESSEL	850	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	569	87102
CARPENTERS AND RELATED WORKERS	568	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	809	93932
CARPET INSTALLERS	592	87602
CARPET, FLOOR INSTALLERS	591	87600
CASHIERS	293	49023
CEILING TILE INSTALLERS	570	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	780	92956
CENTRAL OFFICE AND PBX INSTALLERS	529	85502
CENTRAL OFFICE OPERATORS	370	57108
CHEMICAL TECHNICIANS & TECHNOLOGISTS--EX HEALTH	97	24505
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	773	92935

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL EQUIPMENT TENDERS	774	92938
CHEMICAL PLANT, SYSTEM OPERATORS	822	95008
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	462	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	471	73005
CIVIL ENGINEERING TECHNICIANS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES	443	67000
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES, NEC	448	67099
CLEANING, PICKLING EQUIPMENT OPERATORS, TENDERS	781	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	391	59999
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	390	59000
CLERICAL, ADMINISTRATIVE SUPPORT	298	50000
COIL WINDERS, TAPERS, FINISHERS	801	93908
COIN, VENDING MACHINE SERVICERS	562	85947
COMB MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91508
COMB MACHINE TOOL SETTERS--METAL, PLASTIC	704	91505
COMBINED FOOD PREPARATION AND SERVICE	430	65041
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	528	85500
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIR, NEC	534	85599
COMM, TRANSPORTATION, UTILITIES OPERATIONS MGRS	16	15023
COMMUNICATION EQUIPMENT OPERATORS, NEC	372	57199
COMMUNICATION EQUIPMENT OPERATORS	367	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	366	57000
COMPLIANCE OFFICERS, ENFORCE INSPECT--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATORS--EX PERIPHERAL EQUIPMENT	361	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPS RESEARCH, & RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	581	87311
CONSTRUCTION AND BUILDING INSPECTORS	45	21908
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	889	98300
CONSTRUCTION, EXTRACTIVE--EX HELPERS, NEC	624	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	567	87000
CONSTRUCTION TRADES WORKERS, NEC	609	87899
CONSTRUCTION TRADES, NEC	601	87800
CONTINUOUS MINING MACHINE OPERATOR	620	87941
CONVEYOR OPERATORS AND TENDERS	881	97951

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPS,TENDERS-FOOD,TOBACCO	767	92917
COOKS--INSTITUTION OR CAFETERIA	426	65028
COOKS--RESTAURANT	425	65026
COOKS--SHORT ORDER	428	65035
COOKS--SPECIALTY FAST FOOD	427	65032
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	771	92928
CORRECTION OFFICERS, JAILERS	404	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	346	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	291	49017
COUNTER ATTENDANTS--FOOD	422	65017
COURT CLERKS	323	53702
CRANE AND TOWER OPERATORS	879	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	306	53114
CREDIT CHECKERS	307	53117
CRIMINAL INVESTIGATORS, FEDERAL	408	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS,	176	31246
CROSSING GUARDS	413	63044
CRUSHING, MIXING MACHINE OPERATORS, TENDERS	783	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	649	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	352	55335
CUTTING, FORMING, FABRICATING, PROCESS MACH SETTER	728	92197
CUTTING, FORMING, FABRICATING, PROCESS MACH OPS	729	92198
CUTTING & SLICING MACHINE SETTERS & SET-UP OPS	775	92941
CUTTERS AND TRIMMERS--HAND	807	93926
CUTTING & SLICING MACHINE OPERATORS & TENDERS	776	92944
DAIRY PROCESSING EQUIPMENT OPERATORS--INC SETTERS	772	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	363	56017
DATA KEYERS--COMPOSING	364	56021
DATA PROCESSING EQUIPMENT REPAIRERS	537	85705
DEMONSTRATORS AND PROMOTERS	295	49034
DENTAL ASSISTANTS	433	66002
DENTAL HYGIENISTS	233	32908
DENTAL LABORATORY TECHNICIANS, PRECISION	682	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	615	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS	679	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	410	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	421	65014
DIRECTORS--RELIGIOUS ACTIVITIES, EDUC	132	27505
DIRECTORY ASSISTANCE OPERATORS	369	57105
DISPATCH--EX POLICE, FIRE, AMBULANCE	380	58005

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCH--POLICE, FIRE, AMBULANCE	379	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	873	97926
DREDGE OPERATORS, DIPPER TENDERS	874	97928
DRILLING MACHINE SETTER--METAL, PLASTIC	690	91108
DRIVER/SALES WORKERS	839	97117
DRYWALL INSTALLERS	571	87108
DUPLICATING MACHINE OPERATORS	359	56005
DYERS, PRECISION	654	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	611	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCL MARKET RESEARCH ANALYST	120	27102
EDP AND OFFICE MACHINE OCCUPATIONS	357	56000
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	545	85728
ELECTRICAL AND ELECTRONIC ENGINEERS	61	22126
ELECTRICAL EQUIPMENT MECHANICS, NEC	546	85799
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	539	85711
ELECTRONIC HOME ENTERTAINMENT EQUIP REPAIRERS	538	85708
ELECTRIC METER INSTALLERS, REPAIRERS	551	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	540	85714
ELECTRICAL POWERLINE INSTALLERS	543	85723
ELECTRONICS REPAIRERS--COMMERCIAL & INDUSTRIAL	541	85717
ELECTRICAL & ELECTRONIC ENGINEERING TECHS & TECHNOS	75	22505
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	795	93114
ELECTRICAL, ELECTRONIC ASSEMBLERS	800	93905
ELECTRICIANS	576	87202
ELECTRICIANS AND RELATED WORKERS	575	87200
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	719	91921
ELECTROLYTIC PLATING, MACHINE SETTER	718	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	794	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	550	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC PAGINATION SYSTEM WORKERS	660	89707
ELECTRONIC SEMICONDUCTOR PROCESSOR	762	92902
ELEVATOR INSTALLERS AND REPAIRERS	558	85932
ELEVATOR OPERATORS	447	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEER, MATH, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, RELATED TECHNICIANS	73	22500
ENGINEERING, RELATED TECHS & TECHNOS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANG & LIT TEACHERS, POSTSECONDARY	158	31214

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	815	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	636	89128
EXCAVATING, LOADING MACHINE OPERATORS	872	97923
EXTRACTIVE AND RELATED WORKERS	610	87900
EXTRACTIVE WORKERS--EX HELPERS, NEC	623	87989
EXTRUDING MACHINE OPS, TENDERS--SYNTHETIC/GLASS	753	92708
EXTRUDING MACHINE SETTERS--METAL, PLASTIC	698	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	785	92971
EXTRUDING, FORMING, SETTERS & SET-UP OPERATORS	784	92968
FALLERS AND BUCKERS	470	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	523	85321
FARM EQUIPMENT OPERATORS	482	79021
FARMWORKERS-FARM/RANCH ANIMALS	488	79858
FARMWORKERS-FOOD, FIBER CROPS	487	79856
FENCE ERECTORS	608	87817
FILE CLERKS	347	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	401	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	394	61002
FIRE INSPECTORS	399	63002
FIRST-LINE SUP/MGR SERVICE WORKERS, NEC	397	61099
FIRST-LINE SUP/MGR, CLERICAL, ADMINISTRATIVE SUPPORT	299	51000
FIRST-LINE SUP/MGR--AGRICULTURAL, FORESTRY, FISHING	467	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	491	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	497	81099
FIRST-LINE SUP/MGR-CONSTRUCTION	493	81005
FIRST-LINE SUP/MGR-HELP, LABORERS	496	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	492	81002
FIRST-LINE SUP/MGR-PRODUCTION	494	81008
FIRST-LINE SUP/MGR--SALES	274	41000
FIRST-LINE SUP/MGR--SERVICE	393	61000
FIRST-LINE SUP/MGR-TRANSPORTATION	495	81011
FIRST-LINE SUPERVISORS - AGRICULTURE	468	72002
FISH AND GAME WARDENS	412	63041
FITTERS, STRUCTURAL METAL--PRECISION	793	93108
FLIGHT ATTENDANTS	458	68026
FLOOR LAYERS--EX CARPET, WOOD, TILES	593	87605
FLOOR SANDING MACHINE OPERATORS	594	87608
FOOD AND TOBACCO WORKERS, NEC	674	89899
FOOD BATCHMAKERS	673	89808
FOOD PREPARATION WORKERS	429	65038
FOOD SERVERS--OUTSIDE	420	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026
FOOD SERVICE WORKERS, NEC	431	65099
FOOD WORKERS, PRECISION	670	89800

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FOOD, BEVERAGE PREPARATION AND SERVICE OCCS	416	65000
FOREIGN LANG & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENT SPECIALISTS	400	63005
FOREST, CONSERVATION WORKERS	476	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	700	91317
FOUNDRY MOLD ASSEMBLY, SHAKEOUT	717	91914
FOUNDRY MOLD,CORE MAKERS,PRECISION	676	89902
FRAME WIRERS, CENTRAL OFFICE	530	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	904	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	901	98700
FUNERAL ATTENDANTS	463	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	724	91935
FURNACE, KILN, KETTLE OPERATORS, TENDERS	769	92923
FURNITURE FINISHERS	645	89314
GAS APPLIANCE REPAIRERS	561	85944
GAS COMPRESSOR OPERATORS	871	97921
GAS PLANT OPERATORS	821	95005
GAS PUMPING STATION OPERATORS	870	97917
GAUGERS	825	95017
GEM AND DIAMOND WORKERS	684	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	356	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGIST, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	606	87811
GLAZIERS, MANUFACTURING	802	93911
GRADER, DOZER, SCRAPER OPERATORS	877	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	478	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL,PLASTIC	692	91114
GRINDING, POLISHING WORKERS--HAND	816	93953
GUARDS AND WATCH GUARDS	414	63047
GUIDES	455	68017
HAIRDRESSERS, HAIRSTYLISTS	451	68005
HAND COMPOSITORS AND TYPESETTERS	657	89702
HAND PACKERS AND PACKAGERS	906	98902
HAND WORKERS, NEC	818	93999
HAND WORKERS--JEWELRY, PRECISION	635	89126
HARD TILE SETTERS	580	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	603	87803
HEAD SAWYERS	732	92305
HEALTH ASSESSMENT & TREATMENT TEACHERS, POSTSEC	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFS, NEC	244	32999
HEALTH DIAGNOSING, TREATING	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH SERVICE WORKERS, NEC	442	66099
HEALTH SERVICE, RELATED OCCS	432	66000
HEAT TREATING MACHINE OPS, TENDERS	723	91932
HEATERS, METAL & PLASTIC	725	91938
HEATING EQUIP SETTERS-METAL, PLASTIC	722	91928
HEATING, AC, REFRIGERATION MECHANICS	548	85902
HELPERS, LABORERS, HAND--EX AGRICULTURE & FORESTRY	886	98000
HELPERS--BRICK,STONE MASONS	890	98311
HELPERS--CARPENTERS AND RELATED	891	98312
HELPERS--CONSTRUCTION TRADES, NEC	896	98319
HELPERS--CONST TRADES & EXTRACT WORKERS	898	98399
HELPERS--ELECTRICIANS, POWERLINE INSTALLERS	892	98313
HELPERS--EXTRACTIVE WORKERS	897	98323
HELPERS--PAINTERS AND RELATED	893	98314
HELPERS--PLUMBERS AND RELATED	894	98315
HELPERS--ROOFERS	895	98316
HIGHWAY MAINTENANCE WORKERS	599	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	878	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH CARE WORKERS	436	66011
HOSTS, HOSTESSES--RESTAURANTS	417	65002
HOTEL DESK CLERKS	329	53808
HOUSEKEEPING SUPERVISORS	396	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS & TECHNOS	76	22508
INDUST ENGINEERS--EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	880	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	300	53000
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	313	53302
INSPECTORS, RELATED OCCUPATIONS	498	83000
INSPECTORS, TESTERS, RELATED, NEC	502	83099
INSPECTORS,TESTERS,& GRADERS,PRECISION	499	83002
INSTALLER & REPAIRER, MOBILE HOME	560	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES--SPORTS	192	31321
INSTRUCTORS--NON-VOCATIONAL EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	628	89105
INSTRUMENT REPAIRERS, PRECISION	549	85905
INSULATION WORKERS	602	87802
INSURANCE APPRAISERS--AUTO DAMAGE	314	53305
INSURANCE CLAIMS CLERKS	316	53311
INSURANCE EXAMINING CLERKS	315	53308
INSURANCE POLICY PROCESSING CLERKS	317	53314
INSURANCE WORKERS	312	53300
INTERIOR DESIGNERS	259	34041
INTERVIEW CLERKS--EX PERSONNEL, WELFARE	351	55332
INVESTIGATIVE, RELATED, EX INSURANCE	318	53500
INVESTIGATORS--CLERICAL	320	53505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
JANITORS, CLEANERS--EXCEPT MAIDS	445	67005
JEWELERS AND SILVERSMITHS	634	89123
JOB PRINTERS	658	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	485	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	689	91105
LATHERS	573	87114
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	632	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPERATORS	739	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	331	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	325	53708
LICENSED VOCATIONAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING WORKERS, NEC	667	89719
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	661	89710
LAUNDRY, DRYCLEAN MACH OPS--EX PRESS	759	92726
LOADING MACHINE OPERATORS--MINING	875	97932
LOAN AND CREDIT CLERKS	308	53121
LOAN INTERVIEWERS	305	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	555	85923
LOCOMOTIVE ENGINEERS	843	97305
LOCOMOTIVE FIRERS	845	97311
LODGING AND TRAVEL WORKERS	326	53800
LOG GRADERS AND SCALERS	477	79008
LOG HANDLING EQUIPMENT OPERATORS	472	73008
LOGGING TRACTOR OPERATORS	473	73011
LONGSHORE EQUIPMENT OPERATORS	865	97902
MACHINE BUILDERS & OTHER PRECISION MACH ASSEMBLER	792	93105
MACHINE FORMING OPS, TENDERS--METAL, PLASTIC	701	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	694	91300
MACHINE SETTER, SET-UP, OP--EX METAL, PLASTIC	761	92900
MACHINE SETTERS, SET-UP OPERATORS, & TENDERS	686	91000
MACHINE TOOL CUTTING OPS--METAL, PLASTIC	693	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	687	91100

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MACHINE TOOL SETTERS, OPS--METAL, PLASTIC	702	91500
MACHINE ASSEMBLERS	799	93902
MACHINE FEEDERS AND OFFBEARERS	899	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	900	98502
MACHINE OPERATORS AND TENDERS, NEC	788	92998
MACHINE SETTERS & SET-UP OPERATORS, NEC	787	92997
MACHINERY AND RELATED MECHANICS	504	85100
MACHINERY MAINT MECHANICS, NEC	511	85119
MACHINERY MAINTENANCE MECHANICS	505	85110
MACHINERY MAINTENANCE WORKERS	514	85128
MACHINISTS	629	89108
MAIDS AND HOUSEKEEPING CLEANERS	444	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL	374	57302
MAIL MACHINE OPERATORS--PREP AND HANDLING	360	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	373	57300
MAIN LINE STATION ENGINEERS	869	97914
MAINTENANCE MECHANICS--MARINE EQUIP	508	85116
MAINTENANCE MECHANICS--WATER, POWER	510	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	515	85132
MAINTENANCE MECHANICS--SEWING MACHINE	507	85113
MAINTENANCE MECHANICS--TEXTILE	506	85112
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	452	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKING CLERKS	385	58021
MASONS AND RELATED WORKERS	577	87300
MATERIAL MOVEMENT EQUIPMENT OPERATORS	864	97900
MATERIAL MOVING EQUIP OPERATORS, NEC	884	97989
MATERIAL RECORDING, DISPATCHING	378	58000
MATERIAL RECORDING, RELATED, NEC	389	58099
MATES--SHIP, BOAT, AND BARGE	851	97505
MATH SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS--HAND	811	93938
MECHANICAL CONTROL, VALVE INSTALLERS	557	85928
MECHANIC AND REPAIRER HELPERS	887	98100
MECHANIC AND REPAIRER HELPERS, NEC	888	98102
MECHANICAL ENGINEERING TECHNICIANS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	503	85000
MECHANICS, NEC	527	85399
MECHANICS, INSTALLERS, REPAIRERS, NEC	566	85999
MEDICAL, CLINICAL LAB ASSISTANTS	232	32905

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MEDICAL, CLINICAL LAB TECHNOLOGISTS	231	32902
MEDICAL APPLIANCE MAKERS	683	89923
MEDICAL ASSISTANTS	434	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICINE, HEALTH SERVICES MANAGERS	11	15008
MENDERS, GARMENTS AND LINENS	565	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	285	49000
MESSENGERS	377	57311
METAL FABRICATING MACH SETTERS, OPS	706	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	711	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	716	91911
METAL MOLDING, MACHINE SETTER, SET-UP	715	91908
METAL POURERS, CASTERS--BASIC	812	93941
METAL WORKERS, NEC--PRECISION	639	89199
METAL WORKERS, PRECISION	626	89100
METAL, PLASTIC MACHINE SETTERS, OPS NEC	727	92100
METAL, PLASTIC PROCESS MACHINE SETTERS	712	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	383	58014
MANAGERS AND ADMINISTRATIVE OCCUPATIONS	2	10000
MILLING MACHINE SETTERS--METAL, PLASTIC	691	91111
MILLWRIGHTS	512	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	621	87943
MINING ENGINEERS--INCL MINE SAFETY	55	22108
MINING MACHINE OPERATORS	619	87940
MINING MACHINE OPERATORS, NEC	622	87949
MINING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AGRICULTURE, FORESTRY, FISHING	475	79000
MISC HELPERS, LABORERS--HAND	905	98900
MISC HELPERS, LABORERS--HAND, NEC	908	98999
MISC INDUSTRY SPECIFIC CLERICAL	330	53900
MISC MECHANICS, INSTALLERS, REPAIRERS	547	85900
MISC METAL, PLASTIC MACHINE SETTERS OPERATORS	726	91999
MISC PERSONAL SERVICE OCCUPATIONS	449	68000
MISC PROFESSIONALS, PARAPROFS, TECHNICAL	266	39000
MISC SECRETARIAL, GENERAL OFFICE OCCS	341	55300
MISC SERVICE WORKERS	464	69000
MISC TRANSPORTATION WORKERS	859	97800
MARKETING, ADVERTISING, PUBLIC-RELATIONS MANAGERS	6	13011
MOBILE EQUIPMENT MECHANICS, REPAIRERS	516	85300
MOBILE HEAVY EQUIP MECHANICS--EX ENGINE	521	85314
MODELS	296	49036
MOLDERS AND CASTERS--HAND	813	93944
MOLDERS, SHAPERS--EX JEWELRY	677	89905
MOTION PICTURE PROJECTIONISTS	763	92905
MOTOR VEHICLE OPERATORS	833	97100
MOTOR VEHICLE OPERATORS, NEC	840	97199
MOTORBOAT OPERATORS	853	97511

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTORCYCLE REPAIRERS	519	85308
MUNICIPAL CLERKS	324	53705
MUNICIPAL WORKERS	322	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	554	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NEW ACCOUNTS CLERKS	303	53105
NONELECTROLYTIC PLATING & COATING MACHINE-OPS	721	91926
NONELECTROLYTIC PLATING MACHINE-SETTERS & SET-UP	720	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS	98	24508
NUMERICAL MACHINE TOOL OPS--METAL, PLASTIC	703	91502
NURSE AIDES, ORDERLIES, ATTENDANTS	435	66008
NURSERY & GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS	439	66021
OCCUPATIONS NOT CLASSIFIED	909	
OFFICE MACHINE, CASH REGISTER SERVICERS	556	85926
OFFICE MACHINE OPERATORS, NEC	365	56099
OFFSET LITHOGRAPHIC PRESS SETTERS	738	92512
OIL PUMPERS--EXCEPT WELL HEAD	867	97908
OPERATING ENGINEERS	883	97956
OPERATIONS & SYSTEMS RESEARCHERS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	681	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	348	55323
ORDER FILLERS--WHOLESALE & RETAIL SALE	387	58026
ORDINARY SEAMEN AND MARINE OILERS	855	97517
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER ELECTRICAL EQUIPMENT MECHANICS	535	85700
OTHER HAND WORKERS	798	93900
OTHER HEALTH PROFESSIONALS, PARAPROFS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	675	89900
OTHER PROFESSIONALS, PARAPROF, TECHNICAL	272	39999
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	786	92974
PAINT, COAT & SPRAY MACHINE SETTERS	778	92951
PAINTERS AND RELATED WORKERS	584	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION	585	87402
PAINTERS, TRANSPORTATION EQUIPMENT	777	92947
PAINTING, COATING, DECORATING--HAND	814	93947
PAINTING, RELATED MACHINE OPERATORS, TENDERS	779	92953
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	766	92914
PARALEGAL PERSONNEL	141	28305

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PARKING ENFORCEMENT OFFICERS	405	63021
PARKING LOT ATTENDANTS	862	97808
PARKS, REC, LEISURE, FITNESS STUDIES TEACHERS, POST	181	31258
PASTE UP WORKERS	659	89706
PATTERN AND MODEL MAKERS--METAL	631	89114
PATTERN AND MODEL MAKERS--WOOD	641	89302
PATTERN MARKERS--WOOD	642	89305
PATTERNMAKERS AND LAYOUT WORKERS	648	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	678	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	598	87708
PAYROLL AND TIMEKEEPING CLERKS	354	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	362	56014
PERSONNEL CLERKS--EX PAYROLL	345	55314
PERSONNEL, TRAINING, LABOR-RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS	37	21500
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS, NEC	41	21511
PERSONAL AND HOME CARE AIDES	461	68035
PEST CONTROLLERS AND ASSISTANTS	446	67008
PETROLEUM REFINERY, CONTROL PANEL OPERATORS	824	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	823	95011
PETROLEUM TECHNICIANS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	441	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	662	89712
PHOTOENGRAVING, LITHOGRAPHING MACHINE OPERATORS	747	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESSING MACHINE OPS & TENDERS	764	92908
PHOTOGRAPHIC PROCESS WORKER, PRECISION	680	89914
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	438	66017
PHYSICAL, LIFE SCIENCE TECHNICIANS	95	24500
PHYSICAL, LIFE SCIENCE TECHNICIANS, NEC	100	24599
PHYSICIANS AND SURGEONS	205	32102
PHYSICIAN'S ASSISTANTS	224	32511
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	597	87705
PILOTS--SHIP	852	97508
PIPELAYERS	589	87508
PIPELAYING FITTERS	588	87505
PLANT AND SYSTEM OCCUPATIONS	819	95000
PLANT AND SYSTEM OPERATORS, NEC	831	95099
PLAST MOLDING, CASTING MACHINE SETTER	713	91902
PLASTERERS AND STUCCO MASONS	583	87317

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLASTIC MOLDING, CASTING MACHINE OPS	714	91905
PLATEMAKERS	666	89718
PLUMBERS AND RELATED WORKERS	586	87500
PLUMBERS, PIPEFITTERS, STEAMFITTER	587	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	395	61005
POLICE DETECTIVES	402	63011
POLICE PATROL OFFICERS	403	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	808	93928
POSTAL MAIL CARRIERS	375	57305
POSTAL SERVICE CLERKS	376	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	829	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	826	95021
POWER REACTOR OPERATORS	828	95026
POWERHOUSE, RELATED ELECTRICIANS	542	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	696	91305
PRESSERS--DELICATE FABRICS	653	89517
PRESSERS--HAND	805	93921
PRESSING MACH OPS--TEXTILE, GARMENT	760	92728
PRINT PRESS SETTERS, SET UP OPS	737	92510
PRINT PRESS SETTERS, SET-UP OPS NEC	740	92519
PRINT REL SETTERS, SET-UP OPS, NEC	744	92529
PRINT, BINDING, RELATED MACHINE OPS, TENDER	749	92549
PRINTING PRESS MACHINE OPS, TENDER	746	92543
PRINTING WORKERS, NEC--PRECISION	669	89799
PRINTING WORKERS, PRECISION	656	89700
PRINTING, BINDING, RELATED WORKERS	736	92500
PROCUREMENT CLERKS	349	55326
PROD INSPECTORS, TESTERS, & GRADER	500	83005
PROD, CONST, OPER, MATERIAL HANDLING	490	80000
PROD, PLANNING, EXPEDITING CLERKS	381	58008
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	625	89000
PROFESSIONAL, PARAPROF, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	334	53911
PROPERTY AND REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	398	63000
PROTECTIVE SERVICE WORKERS, NEC	415	63099
PRUNERS	483	79033
PSYCHIATRIC AIDES	437	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237
PUBLIC ADMIN CHIEF EXECUTIVES, LEGISLATORS	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	882	97953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PUNCH MACHINE SETTERS--METAL, PLASTIC	695	91302
PURCHASING AGENTS AND BUYERS--FARM PRODUCTS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODS	36	21308
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	533	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	522	85317
RAIL TRANSPORTATION WORKERS	841	97300
RAIL VEHICLE OPERATIVES, NEC	848	97399
RAIL YARD ENGINEERS AND RELATED	844	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	847	97317
RAILROAD CONDUCTORS, YARDMASTERS	842	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	411	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPS.	600	87714
REAL ESTATE CLERKS	335	53914
RECEPTIONISTS, INFORMATION CLERKS	343	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	513	85126
REFUSE COLLECTORS	903	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	582	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANS TICKET AGENTS	328	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY CARE PRACTITIONERS	213	32302
RIGGERS	559	85935
ROASTING, BAKING MACHINE OPERATORS--FOOD	768	92921
ROCK SPLITTERS, QUARRY	613	87908
ROLLING MACH SETTERS--METAL, PLASTIC	699	91314
ROOF BOLTERS	618	87923
ROOFERS	605	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACT	614	87911
ROUSTABOUTS	617	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	276	43002
SALES AGENTS--ADVERTISING	283	43023
SALES AGENTS--FINANCIAL SERVICES	280	43014
SALES AGENTS--REAL ESTATE	278	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	281	43017
SALES AGENTS--SERVICE	275	43000
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	297	49999
SALES ENGINEERS	286	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC EX RET	288	49008

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	287	49005
SALES REPRESENTATIVES, SERVICE--NEC	284	43099
SALESPERSONS, RETAIL	289	49011
SALESPERSONS--PARTS	290	49014
SAW MACHINE TOOL SETTERS--METAL, PLASTIC	688	91102
SAWING MACHINE OPERATORS AND TENDERS	733	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	731	92302
SCANNER OPERATORS	664	89715
SCREEN PRINT MACHINE SETTERS, SET-UP	742	92524
SECRETARIAL, GENERAL OFFICE OCCUPATIONSS	336	55000
SECRETARIES	337	55100
SECRETARIES, GENERAL	340	55108
SECRETARIES, LEGAL	338	55102
SECRETARIES, MEDICAL	339	55105
SELECTED ROAD, RAIL AND RELATED	595	87700
SEPARATING, STILL MACHINE OPS, TENDERS	782	92962
SEPTIC TANK, SEWER PIPE SERVICERS	590	87511
SERVICE OCCUPATIONS	392	60000
SERVICE STATION ATTENDANTS	861	97805
SERVICE UNIT OPERATORS	616	87917
SERVICE WORKERS, NEC	465	69999
SEWERS--HAND	806	93923
SEWING MACHINE OPERATORS--GARMENT	756	92717
SEWING MACHINE OPS--NON-GARMENT	757	92721
SHAMPOOERS	453	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	697	91308
SHEET METAL DUCT INSTALLERS	604	87805
SHEET METAL WORKERS	637	89132
SHERIFFS AND DEPUTY SHERIFFS	409	63032
SHIP ENGINEERS	856	97521
SHIPFITTERS	633	89121
SHOE AND LEATHER WKRS--PRECISION	651	89511
SHOE SEWING MACHINE OPS, TENDERS	758	92723
SHUTTLE CAR OPERATORS	876	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	532	85511
SLAUGHTERERS AND BUTCHERS	671	89802
SMALL ENGINE SPECIALISTS	526	85328
SOCIAL SCI, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY,	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENCE--INCL URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	804	93917
SOLDERING, BRAZING MACH OPS, TENDERS	710	91711
SOLDERING, BRAZING MACH SETTERS	709	91708
SPEC MATERL PRINTING MACH SETTERS	741	92522
SPECIAL AGENTS--INSURANCE	39	21505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	652	89514
SPRAYERS, APPLICATORS	484	79036
STATEMENT CLERKS	310	53126
STATION INSTALLERS--TELEPHONE	544	85726
STATIONARY ENGINEERS	830	95032
STATISTICAL CLERKS	350	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTER	342	55302
STEVEDORES--EX EQUIPMENT OPERATORS	902	98702
STOCK CLERKS--SALES FLOOR	292	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	386	58023
STONE MASONS	579	87305
STRIPPERS	665	89717
STRUCTURAL METAL WORKERS	607	87814
SUBWAY AND STREETCAR OPERATORS	846	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING AND MAPPING SCIENTISTS	72	22311
SURVEYING AND MAPPING TECHNICIANS	80	22521
SWITCHBOARD OPERATORS	368	57102
SYSTEMS ANALYSTS--ELECTRIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	866	97905
TAPERS	572	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	838	97114
TEACHER AIDES & EDUCATIONAL ASSISTANTS, CLERICAL	332	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS, KINDERGARTEN	186	31304
TEACHERS, PRESCHOOL	185	31303
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL ED AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	371	57111
TELEGRAPH, TELETYPE INSTALLERS	531	85508
TELEMARKETERS, SOLICITORS & RELATED	294	49026
TELEPHONE, CABLE TV INSTALLERS	536	85702
TELLERS	302	53102
TEXTILE, APPAREL, FURNISHINGS, NEC--PRECISION	655	89599
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	755	92714
TEXTILE DRAW-OUT MACH OPERATORS, TENDERS	754	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	751	92702
TEXTILE OPERATORS, TENDERS--WIND, TWIST, KNIT	752	92705
TEXTILE, APPAREL, FURNISHINGS, PRECISION	647	89500
TEXTILE, RELATED SETTERS, OPERATORS	750	92700

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	469	73000
TIMBER CUTTING AND RELATED, NEC	474	73099
TIRE BUILDING MACHINE OPERATORS	765	92911
TIRE REPAIRERS AND CHANGERS	564	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	627	89102
TOOL GRINDERS, FILERS, SHARPENERS	630	89111
TRAFFIC TECHNICIANS	268	39005
TRAFFIC, SHIPPING, RECEIVING CLERKS	388	58028
TRANS AND RELATED WORKERS, NEC	863	97899
TRANS ATTENDANTS--EX FLIGHT	459	68028
TRANS, MATERIAL MOVING EQUIPMENT OPS, NEC	885	97999
TRANS, MATERIAL MOVING MACHINE OPS	832	97000
TRANSIT CLERKS	304	53108
TRANSPORTATION AGENTS	382	58011
TRANSPORTATION INSPECTORS	501	83008
TRAVEL AGENTS	282	43021
TRAVEL CLERKS	327	53802
TRUCK DRIVERS, HEAVY	834	97102
TRUCK DRIVERS, LIGHT	835	97105
TYPESETTING, COMPOSING MACHINE OPS	745	92541
TYPISTS, INCLUDING WORD PROCESSING	344	55307
U.S. MARSHALLS	407	63026
UNDERGROUND MINE MACHINE MECHANICS	509	85117
UNDERWRITERS	26	21102
UPHOLSTERERS	650	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	456	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	907	98905
VETERINARY ASSISTANTS	486	79806
VETERINARY TECHNICIANS	243	32951
VETS AND VETERINARY INSPECTORS	210	32114
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	419	65008
WARDROBE ATTENDANTS	460	68032
WATCH ASSEMBLERS, RELATED--PRECISION	796	93117
WATCHMAKERS	553	85917
WATER TRANSPORTATION WORKERS	849	97500
WATER TREATMENT PLANT OPERATORS	820	95002
WEIGHERS, MEASURERS--RECORDKEEPING	384	58017
WELDERS AND CUTTERS	803	93914
WELDING MACH OPERATORS AND TENDERS	708	91705
WELDING MACH SETTERS, SET-UP OPS	707	91702
WELFARE ELIGIBILITY WORKERS, INTERVIEWERS	319	53502
WELL HEAD PUMPERS	868	97911
WHOLESALE AND RETAIL BUYERS--EX FARM PRODS	34	21302
WOOD MACHINISTS	643	89308

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WOODWORK MACH OPS,TNDRS--EX SAWING	735	92314
WOODWORK MACH SETTERS--EX SAWING	734	92311
WOODWORKERS, NEC--PRECISION	646	89399
WOODWORKERS, PRECISION	640	89300
WOODWORKING MACHINE SETTERS, OPS	730	92300
WORKERS, PRECISION--NEC	685	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTER, ATHLETES	245	34000

Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers

to aid in providing services. Trade associations and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore
Marathon Plaza, Room 141-S
303 2nd Street
San Francisco, CA 94107
Phone - (415) 512-2770
Fax - (415) 512-2776
<http://access.gpo.gov>

North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada, and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

Relevant. NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

Consistent. NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

Comparable. NAICS provides first-ever comparability in North American industry classifications and economic statistics.

Flexible. NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

How NAICS will affect the economic data you use.

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

All new numbering system

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

www.census.gov/naics

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS

E-mail: naics@census.gov

Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

Principal Data Sources

Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State co-operative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment

estimates made in the CES program. This is also a Federal/State co-operative program.

Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

The Process

Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series.

Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.

- County industry projections are then developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either state-wide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections

to produce occupational employment projections within three-digit SICs. Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

Economic Assumptions

The industry and occupational projections in this report are based on the following assumptions:

- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government agencies will continue to operate under budgetary constraints.
- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.

Projections & Planning Information

Module E:

Wages

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Introduction to the Occupational Employment Statistics Wage Survey

Survey Description

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC Home Page at <http://www.bls.gov/oes/home.htm>.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website at <http://www.bls.gov/oes/2000/oestec2000.htm>.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried

officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all establishments. An establishment is defined as an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry, and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 inter-

vals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

<u>Interval</u>	<u>Hourly Wage</u>	<u>Annual Wage</u>
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below, and 50 percent earn wages above, the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below, and 75 percent earn wages above, the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below, and 25 percent earn wages above, the third quartile wage.

Metropolitan Area – The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) - A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, pro-

vided that the additional places meet specified levels of population, employment, and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) - The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) - A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

San Diego MSA

San Diego County

These survey data are from the 2000 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2001 by applying the Employment Cost Index to the 2000 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at <http://www.calmis.ca.gov>

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$16.00	\$24.19	\$17.61	\$22.60	\$28.79
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$28.91	\$40.43	\$30.76	\$36.03	\$51.52
11-3011	Administrative Services Managers	\$15.56	\$26.94	\$18.18	\$24.34	\$33.90
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$21.86	\$30.82	\$26.27	\$31.67	\$37.15
11-2011	Advertising and Promotions Managers	\$15.80	\$34.78	\$18.54	\$27.91	\$48.64
41-3011	Advertising Sales Agents	\$11.46	\$26.68	\$13.85	\$21.28	\$41.12
17-3021	Aerospace Engineering and Operations Technicians	\$19.53	\$26.32	\$21.85	\$26.87	\$31.66
17-2011	Aerospace Engineers	\$28.02	\$35.37	\$30.03	\$34.97	\$41.57
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	\$20.53	\$37.33	\$22.12	\$27.36	\$57.85
19-4011	Agricultural and Food Science Technicians	\$9.19	\$15.64	\$10.23	\$12.78	\$17.48
19-1010	Agricultural and Food Scientists	\$12.87	\$21.09	\$15.43	\$20.63	\$26.18
53-2021	Air Traffic Controllers	\$30.54	\$43.27	\$34.67	\$47.07	\$52.57
53-1011	Aircraft Cargo Handling Supervisors	\$12.23	\$18.13	\$12.83	\$17.11	\$23.33
49-3011	Aircraft Mechanics and Service Technicians	\$15.74	\$21.08	\$17.88	\$20.74	\$24.79

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-2011	Airline Pilots, Copilots, and Flight Engineers	(2)	(2)	(2)	(2)	(2)
27-1099	All Other Art and Design Workers	\$14.05	\$21.70	\$14.88	\$16.47	\$23.19
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$8.90	\$12.66	\$9.83	\$12.20	\$15.56
47-4999	All Other Construction Trades and Related Workers	\$7.62	\$15.17	\$8.69	\$15.13	\$19.43
21-9099	All Other Counselors, Social and Religious Workers	\$9.45	\$16.43	\$11.86	\$16.10	\$21.11
21-2099	All Other Religious Workers	\$9.78	\$17.08	\$12.49	\$17.23	\$21.65
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$13.67	\$21.20	\$15.82	\$21.25	\$26.43
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$9.65	\$15.62	\$10.74	\$14.80	\$19.56
43-4999	All Other Financial, Information, and Record Clerks	\$9.73	\$14.52	\$11.34	\$14.34	\$17.31
29-9199	All Other Health Professionals and Technicians	\$10.68	\$16.93	\$12.07	\$14.67	\$19.04
23-9099	All Other Legal and Related Workers	\$12.50	\$20.89	\$13.41	\$17.10	\$22.58
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$10.73	\$14.44	\$11.70	\$14.13	\$16.78
51-5099	All Other Printing Workers	\$7.07	\$10.35	\$7.74	\$9.47	\$11.03
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$8.38	\$13.80	\$9.36	\$12.97	\$16.84
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
49-3099	All Other Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	\$12.42	\$20.60	\$14.48	\$23.08	\$25.97
33-9011	Animal Control Workers	\$8.73	\$12.68	\$9.86	\$12.87	\$15.50
39-2011	Animal Trainers	\$10.66	\$17.81	\$11.77	\$13.52	\$17.78
27-3010	Announcers	\$7.90	\$16.35	\$8.90	\$12.74	\$21.02

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-3091	Anthropologists and Archeologists	\$10.85	\$17.79	\$11.58	\$13.91	\$23.47
13-2021	Appraisers and Assessors of Real Estate	\$18.72	\$23.51	\$19.29	\$21.37	\$24.78
17-1011	Architects, Except Landscape and Naval	\$24.15	\$28.33	\$24.50	\$26.99	\$29.95
17-3011	Architectural and Civil Drafters	\$13.28	\$17.39	\$14.78	\$17.20	\$20.30
17-0000	Architecture and Engineering Occupations	\$16.86	\$28.05	\$20.07	\$27.28	\$35.34
25-4010	Archivists, Curators, and Museum Technicians	\$11.39	\$18.20	\$13.86	\$16.76	\$22.68
27-1011	Art Directors	\$27.85	\$34.56	\$29.69	\$34.71	\$39.53
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$9.24	\$18.49	\$11.00	\$16.14	\$23.16
51-2099	Assemblers and Fabricators, All Other	\$7.27	\$10.56	\$8.30	\$10.90	\$12.67
19-2021	Atmospheric and Space Scientists	\$23.70	\$30.43	\$25.88	\$29.72	\$35.06
27-4011	Audio and Video Equipment Technicians	\$9.95	\$15.24	\$10.52	\$12.57	\$16.28
29-1121	Audiologists	\$22.54	\$25.67	\$23.44	\$25.73	\$28.04
49-3021	Automotive Body and Related Repairers	\$11.36	\$20.71	\$13.79	\$19.35	\$25.76
49-3023	Automotive Service Technicians and Mechanics	\$7.97	\$16.10	\$8.47	\$14.80	\$20.58
49-2091	Avionics Technicians	\$17.77	\$19.71	\$18.41	\$19.94	\$21.46
39-6011	Baggage Porters and Bellhops	\$6.25*	\$6.68	\$6.25*	\$6.37	\$6.86
51-3011	Bakers	\$6.88	\$10.92	\$7.81	\$10.36	\$13.55
39-5011	Barbers	\$6.39	\$9.50	\$6.94	\$9.50	\$10.52
35-3011	Bartenders	\$6.25*	\$7.61	\$6.25*	\$7.15	\$8.37
49-3091	Bicycle Repairers	\$7.26	\$9.77	\$7.95	\$9.72	\$11.81

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-3011	Bill and Account Collectors	\$10.87	\$13.97	\$11.58	\$13.49	\$15.99
43-3021	Billing and Posting Clerks and Machine Operators	\$9.29	\$13.20	\$10.42	\$13.32	\$15.90
51-5011	Bindery Workers	\$7.08	\$10.20	\$7.76	\$9.90	\$12.44
19-1021	Biochemists and Biophysicists	\$17.57	\$28.69	\$19.50	\$25.49	\$37.53
19-4021	Biological Technicians	\$12.36	\$17.36	\$14.29	\$16.23	\$20.27
17-2031	Biomedical Engineers	\$23.99	\$37.58	\$27.69	\$34.30	\$43.39
47-2011	Boilermakers	\$13.34	\$16.41	\$14.19	\$16.02	\$18.46
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$10.24	\$14.44	\$11.49	\$14.04	\$17.00
47-2021	Brickmasons and Blockmasons	\$15.07	\$23.56	\$18.08	\$24.07	\$30.87
27-4012	Broadcast Technicians	\$6.77	\$10.72	\$7.35	\$8.83	\$10.68
43-4011	Brokerage Clerks	\$11.59	\$21.00	\$13.38	\$17.63	\$28.44
13-2031	Budget Analysts	\$19.88	\$26.12	\$21.93	\$25.68	\$30.00
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$6.70	\$9.53	\$7.19	\$8.33	\$10.70
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$12.75	\$19.02	\$14.54	\$18.83	\$22.25
53-3022	Bus Drivers, School	\$10.03	\$13.83	\$11.25	\$14.00	\$16.52
53-3021	Bus Drivers, Transit and Intercity	\$9.22	\$13.17	\$10.29	\$13.29	\$16.24
13-0000	Business and Financial Operations Occupations	\$14.61	\$23.43	\$16.94	\$21.59	\$28.35
13-1199	Business Operations Specialists, All Other	\$15.92	\$24.05	\$18.29	\$21.88	\$28.62
51-3021	Butchers and Meat Cutters	\$8.21	\$14.29	\$9.34	\$14.46	\$19.37
51-7011	Cabinetmakers and Bench Carpenters	\$7.89	\$11.73	\$8.74	\$10.63	\$14.23

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9061	Camera and Photographic Equipment Repairers	\$11.37	\$13.98	\$12.07	\$13.53	\$15.35
27-4031	Camera Operators, Television, Video, and Motion Picture	\$9.88	\$15.87	\$10.65	\$12.97	\$16.16
53-5021	Captains, Mates, and Pilots of Water Vessels	\$12.73	\$18.67	\$12.82	\$14.19	\$16.97
29-2031	Cardiovascular Technologists and Technicians	\$12.22	\$17.62	\$13.14	\$16.31	\$21.62
43-5011	Cargo and Freight Agents	\$9.65	\$14.74	\$10.63	\$12.96	\$16.36
47-2031	Carpenters	\$9.65	\$16.99	\$10.72	\$16.41	\$21.82
47-2041	Carpet Installers	\$7.54	\$14.14	\$8.02	\$10.78	\$15.92
17-1021	Cartographers and Photogrammetrists	\$15.59	\$25.56	\$17.71	\$25.28	\$31.37
41-2011	Cashiers	\$6.25*	\$8.86	\$6.39	\$7.62	\$9.69
47-2051	Cement Masons and Concrete Finishers	\$16.27	\$22.36	\$19.00	\$22.67	\$26.28
51-9191	Cementing and Gluing Machine Operators and Tenders	\$7.96	\$9.62	\$8.32	\$9.46	\$10.71
35-1011	Chefs and Head Cooks	\$10.55	\$16.35	\$11.74	\$15.26	\$19.02
17-2041	Chemical Engineers	\$22.44	\$35.28	\$26.17	\$36.12	\$43.99
51-9011	Chemical Equipment Operators and Tenders	\$10.54	\$15.85	\$11.59	\$15.88	\$20.24
51-8091	Chemical Plant and System Operators	\$19.58	\$21.80	\$19.55	\$21.47	\$23.90
19-4031	Chemical Technicians	\$12.43	\$20.57	\$14.73	\$20.43	\$26.11
19-2031	Chemists	\$13.08	\$24.97	\$14.94	\$21.56	\$32.10
11-1011	Chief Executives	\$31.93	(3)	\$38.03	\$56.50	>\$70.01
39-9011	Child Care Workers	\$6.25*	\$9.17	\$6.71	\$9.07	\$11.59
21-1021	Child, Family, and School Social Workers	\$9.07	\$15.74	\$10.15	\$14.65	\$20.29

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3022	Civil Engineering Technicians	\$18.22	\$22.43	\$19.38	\$21.74	\$25.62
17-2051	Civil Engineers	\$23.04	\$29.81	\$24.90	\$29.63	\$34.33
13-1031	Claims Adjusters, Examiners, and Investigators	\$15.07	\$19.53	\$15.63	\$17.89	\$21.99
53-7061	Cleaners of Vehicles and Equipment	\$6.25*	\$7.65	\$6.25*	\$6.97	\$8.51
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$7.66	\$8.46	\$7.55	\$8.20	\$8.97
21-2011	Clergy	\$6.25*	\$9.50	\$6.25*	\$6.72	\$8.11
19-3031	Clinical, Counseling, and School Psychologists	\$22.96	\$28.74	\$24.30	\$27.84	\$32.57
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$7.93	\$12.31	\$8.75	\$10.54	\$14.44
51-2021	Coil Winders, Tapers, and Finishers	\$6.58	\$8.42	\$7.05	\$8.13	\$9.62
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$10.39	\$13.89	\$11.62	\$13.30	\$16.38
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.25*	\$6.26	\$6.25*	\$6.25*	\$6.67
27-1021	Commercial and Industrial Designers	\$13.14	\$21.65	\$13.95	\$21.60	\$27.21
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$8.42	\$13.82	\$9.04	\$13.17	\$17.36
21-0000	Community and Social Services Occupations	\$9.66	\$17.55	\$11.56	\$16.70	\$22.33
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$17.39	\$24.28	\$19.62	\$23.82	\$27.77
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	\$15.14	\$21.31	\$16.68	\$19.94	\$24.44
15-1011	Computer and Information Scientists, Research	\$25.86	\$34.98	\$29.09	\$36.30	\$41.77

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-3021	Computer and Information Systems Managers	\$25.86	\$36.91	\$29.26	\$34.93	\$45.62
15-0000	Computer and Mathematical Occupations	\$16.58	\$28.21	\$18.80	\$26.61	\$36.09
17-2061	Computer Hardware Engineers	\$21.50	\$34.31	\$24.26	\$35.79	\$43.23
43-9011	Computer Operators	\$9.96	\$15.27	\$12.08	\$14.90	\$17.46
15-1021	Computer Programmers	\$19.86	\$31.00	\$22.84	\$29.57	\$39.26
15-1031	Computer Software Engineers, Applications	\$21.09	\$31.42	\$23.91	\$30.30	\$38.93
15-1032	Computer Software Engineers, Systems Software	\$27.21	\$37.89	\$30.80	\$37.74	\$44.56
15-1041	Computer Support Specialists	\$13.66	\$17.37	\$14.55	\$16.37	\$19.62
15-1051	Computer Systems Analysts	\$21.17	\$28.36	\$23.10	\$27.63	\$33.59
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$10.45	\$16.18	\$11.31	\$14.33	\$18.86
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$7.99	\$12.50	\$9.19	\$12.36	\$15.48
39-6012	Concierges	\$8.93	\$15.54	\$10.10	\$13.45	\$18.97
19-1031	Conservation Scientists	\$20.27	\$28.83	\$21.72	\$26.70	\$33.40
47-4011	Construction and Building Inspectors	\$19.30	\$23.74	\$20.36	\$23.71	\$26.84
47-0000	Construction and Extraction Occupations	\$10.52	\$18.20	\$12.40	\$17.53	\$22.83
47-2061	Construction Laborers	\$10.05	\$16.04	\$11.38	\$14.80	\$20.48
11-9021	Construction Managers	\$22.65	\$34.27	\$26.96	\$33.66	\$42.31
53-7011	Conveyor Operators and Tenders	\$8.27	\$11.72	\$8.87	\$11.73	\$13.79
35-2011	Cooks, Fast Food	\$6.25*	\$6.94	\$6.25*	\$6.42	\$7.36
35-2012	Cooks, Institution and Cafeteria	\$7.33	\$10.28	\$8.16	\$9.96	\$12.10

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-2014	Cooks, Restaurant	\$7.99	\$9.73	\$8.62	\$9.72	\$10.70
35-2015	Cooks, Short Order	\$6.63	\$9.09	\$7.12	\$8.48	\$11.38
33-3012	Correctional Officers and Jailers	\$19.01	\$20.39	\$18.70	\$20.16	\$21.62
43-4021	Correspondence Clerks	\$10.72	\$13.86	\$12.14	\$14.24	\$16.09
13-1051	Cost Estimators	\$16.86	\$27.72	\$19.32	\$24.98	\$32.20
41-2021	Counter and Rental Clerks	\$6.72	\$9.91	\$7.26	\$8.63	\$11.41
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.25*	\$6.93	\$6.25*	\$6.40	\$7.01
43-5021	Couriers and Messengers	\$7.54	\$10.88	\$8.05	\$10.25	\$12.76
53-7021	Crane and Tower Operators	\$18.66	\$22.63	\$20.58	\$23.51	\$25.84
13-2041	Credit Analysts	\$14.13	\$21.64	\$16.17	\$21.08	\$26.12
43-4041	Credit Authorizers, Checkers, and Clerks	\$9.73	\$14.15	\$11.30	\$13.47	\$16.67
33-9091	Crossing Guards	\$6.25*	\$6.52	\$6.25*	\$6.54	\$7.07
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$7.31	\$8.61	\$7.50	\$8.17	\$8.85
43-4051	Customer Service Representatives	\$9.25	\$13.64	\$10.25	\$12.65	\$16.20
51-9031	Cutters and Trimmers, Hand	\$6.77	\$8.75	\$7.22	\$8.26	\$10.29
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$6.30	\$9.60	\$6.79	\$8.35	\$11.30
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.18	\$11.68	\$8.91	\$10.69	\$14.03
43-9021	Data Entry Keyers	\$8.72	\$11.40	\$9.31	\$10.86	\$13.07
15-1061	Database Administrators	\$17.94	\$26.13	\$20.13	\$24.75	\$31.00

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-9011	Demonstrators and Product Promoters	\$7.69	\$10.98	\$7.50	\$8.17	\$9.99
31-9091	Dental Assistants	\$12.65	\$16.49	\$13.53	\$16.75	\$19.58
29-2021	Dental Hygienists	\$34.96	\$37.96	\$37.14	\$39.79	\$42.44
51-9081	Dental Laboratory Technicians	\$9.42	\$15.02	\$10.68	\$13.93	\$19.11
43-9031	Desktop Publishers	\$10.04	\$18.13	\$12.93	\$18.01	\$21.99
33-3021	Detectives and Criminal Investigators	\$22.60	\$29.11	\$24.76	\$29.49	\$33.70
29-2032	Diagnostic Medical Sonographers	\$21.60	\$25.72	\$22.71	\$25.43	\$28.06
29-2051	Dietetic Technicians	\$6.39	\$9.96	\$6.98	\$8.49	\$12.29
29-1031	Dietitians and Nutritionists	\$18.86	\$23.65	\$22.22	\$24.56	\$26.81
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.25*	\$7.04	\$6.25*	\$6.71	\$8.03
21-2021	Directors, Religious Activities and Education	\$6.25*	\$11.81	\$6.57	\$11.78	\$15.18
35-9021	Dishwashers	\$6.25*	\$7.08	\$6.25*	\$6.91	\$8.07
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$8.20	\$12.45	\$8.86	\$11.28	\$14.15
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$8.00	\$12.61	\$9.12	\$10.42	\$18.24
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.32	\$10.76	\$8.95	\$10.20	\$11.96
53-3031	Driver/Sales Workers	\$6.56	\$12.31	\$7.24	\$12.03	\$16.12
47-2081	Drywall and Ceiling Tile Installers	\$14.22	\$19.68	\$16.98	\$19.92	\$22.47
47-5021	Earth Drillers, Except Oil and Gas	\$13.22	\$17.59	\$17.65	\$19.22	\$20.76
25-1063	Economics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-3041	Editors	\$11.01	\$24.05	\$12.25	\$19.83	\$29.58
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$14.37	\$27.32	\$16.01	\$24.36	\$39.46
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$9.81	\$15.88	\$10.03	\$11.53	\$14.43
25-1081	Education Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-0000	Education, Training, and Library Occupations	\$10.19	\$20.58	\$12.53	\$19.12	\$27.44
25-9199	Education, Training, and Library Workers, All Other	\$8.26	\$12.60	\$9.49	\$11.80	\$14.29
21-1012	Educational, Vocational, and School Counselors	\$9.97	\$23.19	\$13.15	\$25.83	\$31.91
49-2092	Electric Motor, Power Tool, and Related Repairers	\$14.36	\$18.49	\$16.87	\$19.20	\$21.12
17-3023	Electrical and Electronic Engineering Technicians	\$13.89	\$20.88	\$15.71	\$20.13	\$25.99
51-2022	Electrical and Electronic Equipment Assemblers	\$8.25	\$11.71	\$9.02	\$10.45	\$12.73
17-3012	Electrical and Electronics Drafters	\$13.35	\$21.67	\$15.03	\$21.72	\$27.35
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$12.25	\$16.89	\$12.66	\$15.83	\$21.04
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$12.12	\$17.73	\$12.73	\$16.63	\$21.84
17-2071	Electrical Engineers	\$14.12	\$29.38	\$16.98	\$29.39	\$39.11
47-2111	Electricians	\$11.83	\$18.32	\$13.62	\$18.19	\$23.11
51-2023	Electromechanical Equipment Assemblers	\$7.50	\$10.72	\$8.04	\$9.63	\$12.24
17-3024	Electro-Mechanical Technicians	\$11.88	\$17.23	\$13.94	\$16.77	\$20.63
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$10.18	\$17.57	\$10.79	\$18.62	\$24.34
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$10.91	\$14.28	\$11.42	\$13.25	\$17.40

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-2072	Electronics Engineers, Except Computer	\$25.76	\$35.43	\$28.84	\$35.65	\$42.68
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
13-1061	Emergency Management Specialists	\$19.47	\$28.06	\$23.21	\$27.56	\$35.35
29-2041	Emergency Medical Technicians and Paramedics	\$9.73	\$16.27	\$10.65	\$13.72	\$19.31
13-1071	Employment, Recruitment, and Placement Specialists	\$14.55	\$24.22	\$16.77	\$21.47	\$32.48
51-2031	Engine and Other Machine Assemblers	\$7.58	\$11.81	\$8.50	\$11.18	\$14.88
11-9041	Engineering Managers	\$31.02	\$43.03	\$36.61	\$42.87	\$51.79
17-2199	Engineers, All Other	\$21.48	\$33.02	\$24.70	\$32.27	\$40.64
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$13.23	\$20.72	\$15.03	\$19.14	\$25.69
17-2081	Environmental Engineers	\$24.35	\$31.51	\$27.19	\$31.66	\$35.47
19-4091	Environmental Science and Protection Technicians, Including Health	\$11.81	\$17.42	\$13.18	\$18.19	\$21.04
19-2041	Environmental Scientists and Specialists, Including Health	\$20.43	\$26.96	\$23.10	\$26.26	\$30.22
51-9194	Etchers and Engravers	\$8.54	\$10.97	\$9.73	\$11.44	\$12.84
53-7032	Excavating and Loading Machine and Dragline Operators	\$13.60	\$23.18	\$15.96	\$24.25	\$30.50
43-6011	Executive Secretaries and Administrative Assistants	\$11.71	\$16.92	\$13.31	\$16.49	\$20.30
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.80	\$10.33	\$8.51	\$9.95	\$11.83
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$7.19	\$11.73	\$7.70	\$8.94	\$18.21
51-6092	Fabric and Apparel Patternmakers	\$6.25*	\$8.41	\$6.43	\$7.87	\$9.99

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1062	Family and General Practitioners	\$33.32	\$40.68	\$35.68	\$40.65	\$45.81
49-3041	Farm Equipment Mechanics	\$10.92	\$15.26	\$12.80	\$15.58	\$18.37
11-9011	Farm, Ranch, and Other Agricultural Managers	\$13.79	\$21.63	\$14.01	\$20.97	\$27.37
45-0000	Farming, Fishing, and Forestry Occupations	\$6.25*	\$9.13	\$6.58	\$8.19	\$10.23
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$6.58	\$10.87	\$7.13	\$10.14	\$12.56
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.49	\$8.49	\$7.03	\$8.53	\$9.96
45-2093	Farmworkers, Farm and Ranch Animals	\$6.25*	\$8.39	\$6.74	\$7.80	\$8.66
27-1022	Fashion Designers	\$12.16	\$19.96	\$13.79	\$19.59	\$22.30
51-2091	Fiberglass Laminators and Fabricators	\$15.72	\$17.99	\$15.85	\$17.60	\$20.15
43-4071	File Clerks	\$7.40	\$9.87	\$7.93	\$9.55	\$11.74
27-4032	Film and Video Editors	\$9.09	\$17.51	\$10.38	\$14.82	\$20.90
13-2051	Financial Analysts	\$17.85	\$26.17	\$20.08	\$24.86	\$30.20
13-2061	Financial Examiners	\$10.40	\$24.84	\$11.65	\$26.27	\$34.73
11-3031	Financial Managers	\$21.18	\$36.68	\$24.71	\$35.39	\$45.36
13-2099	Financial Specialists, All Other	\$14.06	\$22.09	\$15.49	\$19.37	\$27.60
33-2011	Fire Fighters	\$15.08	\$21.87	\$16.61	\$23.77	\$26.72
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$22.21	\$29.02	\$24.34	\$28.81	\$33.74
33-1011	First-Line Supervisors/Managers of Correctional Officers	\$19.53	\$25.31	\$19.73	\$22.01	\$31.38
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$12.58	\$21.63	\$13.96	\$19.82	\$29.01

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$24.38	\$35.43	\$27.41	\$38.90	\$43.07
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$7.80	\$10.91	\$8.12	\$10.23	\$12.80
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$12.25	\$17.66	\$13.31	\$16.74	\$20.94
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$8.61	\$13.56	\$9.42	\$12.00	\$16.70
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$13.21	\$19.23	\$14.96	\$19.24	\$21.76
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$17.52	\$26.27	\$20.48	\$26.21	\$31.64
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$13.55	\$29.04	\$15.24	\$23.47	\$38.87
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$11.67	\$19.97	\$14.70	\$19.05	\$24.59
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$10.51	\$16.21	\$12.49	\$15.86	\$19.93
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$30.54	\$37.42	\$33.57	\$38.89	\$42.81
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$12.79	\$22.43	\$15.13	\$21.31	\$27.36
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.33	\$17.63	\$11.59	\$15.61	\$20.46
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$9.92	\$18.50	\$11.77	\$17.53	\$25.14
33-3031	Fish and Game Wardens	\$19.53	\$24.21	\$20.68	\$24.03	\$27.47
39-9031	Fitness Trainers and Aerobics Instructors	\$7.45	\$15.52	\$8.24	\$14.47	\$20.23
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$12.32	\$18.76	\$13.02	\$16.89	\$20.56
27-1023	Floral Designers	\$9.28	\$11.45	\$9.56	\$10.78	\$12.72
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$6.76	\$11.70	\$7.45	\$9.79	\$17.94

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-3092	Food Batchmakers	\$6.25*	\$8.27	\$6.37	\$7.21	\$10.38
51-3093	Food Cooking Machine Operators and Tenders	\$6.25*	\$6.72	\$6.25*	\$6.60	\$7.29
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.25*	\$9.50	\$6.35	\$7.46	\$12.83
35-0000	Food Preparation and Serving-Related Occupations	\$6.25*	\$7.45	\$6.25*	\$6.67	\$8.18
35-2021	Food Preparation Workers	\$6.25*	\$7.78	\$6.38	\$7.45	\$8.61
35-3041	Food Servers, Nonrestaurant	\$6.25*	\$6.91	\$6.25*	\$6.66	\$7.32
11-9051	Food Service Managers	\$14.87	\$18.33	\$15.07	\$16.65	\$19.85
19-4093	Forest and Conservation Technicians	\$12.44	\$15.91	\$13.34	\$15.50	\$17.60
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.35	\$9.53	\$6.94	\$8.39	\$12.21
51-4071	Foundry Mold and Coremakers	\$8.95	\$11.61	\$10.83	\$12.25	\$13.37
11-9061	Funeral Directors	\$8.21	\$13.59	\$8.63	\$12.58	\$16.71
51-7021	Furniture Finishers	\$6.96	\$10.51	\$7.44	\$8.62	\$12.57
39-3011	Gaming Dealers	\$6.25*	\$8.69	\$6.25*	\$6.56	\$7.14
39-1011	Gaming Supervisors	\$12.92	\$18.73	\$13.96	\$16.19	\$20.75
11-1021	General and Operations Managers	\$21.02	\$41.04	\$25.10	\$37.37	\$58.37
19-2042	Geoscientists, Except Hydrologists and Geographers	\$14.54	\$27.95	\$16.73	\$26.48	\$34.04
47-2121	Glaziers	\$11.58	\$19.32	\$13.14	\$17.07	\$25.35
45-2041	Graders and Sorters, Agricultural Products	\$6.25*	\$8.66	\$6.58	\$9.03	\$10.37
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$11.63	\$18.64	\$13.04	\$17.69	\$22.77

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9022	Grinding and Polishing Workers, Hand	\$7.47	\$11.20	\$8.02	\$9.60	\$12.71
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Met/Plas	\$7.83	\$11.05	\$8.57	\$10.50	\$13.17
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.00	\$9.30	\$7.27	\$8.08	\$10.79
47-4041	Hazardous Materials Removal Workers	\$13.38	\$18.32	\$15.00	\$17.72	\$21.22
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$17.89	\$25.36	\$20.11	\$24.95	\$30.97
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$11.02	\$20.35	\$11.69	\$19.81	\$25.83
21-1091	Health Educators	\$11.51	\$19.89	\$13.32	\$18.94	\$26.21
29-0000	Healthcare Practitioners and Technical Occupations	\$13.33	\$25.21	\$15.76	\$22.42	\$31.12
31-0000	Healthcare Support Occupations	\$8.14	\$11.83	\$8.81	\$11.36	\$13.85
31-9099	Healthcare Support Workers, All Other	\$8.61	\$11.99	\$9.85	\$12.16	\$13.77
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$10.96	\$14.44	\$12.11	\$14.72	\$16.82
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$10.91	\$17.39	\$13.25	\$17.82	\$21.38
47-3019	Helpers, Construction Trades, All Other	\$8.17	\$12.49	\$9.26	\$11.19	\$16.14
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$10.72	\$12.17	\$11.70	\$12.60	\$13.49
47-3012	Helpers--Carpenters	\$8.74	\$12.59	\$9.51	\$11.63	\$14.03
47-3013	Helpers--Electricians	\$8.77	\$11.73	\$9.34	\$11.07	\$13.61
47-5081	Helpers--Extraction Workers	\$9.90	\$11.58	\$11.36	\$12.22	\$13.08
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$6.77	\$10.02	\$7.40	\$9.71	\$12.08

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$7.72	\$9.57	\$8.18	\$9.57	\$10.86
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$8.77	\$11.38	\$9.63	\$10.84	\$13.35
51-9198	Helpers--Production Workers	\$6.25*	\$7.91	\$6.49	\$7.60	\$8.91
47-3016	Helpers--Roofers	\$7.65	\$10.12	\$8.15	\$9.89	\$12.50
47-4051	Highway Maintenance Workers	\$13.25	\$17.91	\$14.84	\$17.95	\$21.43
49-9031	Home Appliance Repairers	\$10.60	\$15.00	\$11.86	\$14.19	\$17.18
31-1011	Home Health Aides	\$7.82	\$9.83	\$8.04	\$9.19	\$11.74
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.29	\$7.83	\$6.82	\$7.71	\$8.56
43-4081	Hotel, Motel, and Resort Desk Clerks	\$6.64	\$9.02	\$7.25	\$9.35	\$10.56
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$11.32	\$15.20	\$12.50	\$14.90	\$17.41
11-3040	Human Resources Managers	\$19.60	\$30.62	\$21.75	\$28.75	\$36.21
19-2043	Hydrologists	\$24.23	\$36.14	\$27.50	\$33.85	\$43.28
17-3026	Industrial Engineering Technicians	\$14.12	\$20.61	\$15.92	\$19.79	\$25.23
17-2112	Industrial Engineers	\$18.85	\$27.92	\$22.00	\$27.39	\$34.06
49-9041	Industrial Machinery Mechanics	\$13.50	\$19.21	\$15.48	\$19.49	\$22.83
11-3051	Industrial Production Managers	\$18.73	\$32.37	\$22.49	\$30.52	\$41.37
53-7051	Industrial Truck and Tractor Operators	\$8.55	\$13.48	\$9.20	\$11.81	\$17.26
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$8.85	\$14.19	\$10.21	\$13.15	\$17.20
49-0000	Installation, Maintenance, and Repair Occupations	\$9.73	\$17.29	\$11.36	\$16.37	\$22.08
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$11.35	\$16.67	\$13.09	\$16.07	\$19.65

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-9031	Instructional Coordinators	\$18.48	\$29.69	\$21.28	\$29.30	\$36.42
47-2130	Insulation Workers	\$10.51	\$17.06	\$12.41	\$18.42	\$20.94
13-1032	Insurance Appraisers, Auto Damage	\$17.59	\$22.62	\$19.01	\$23.73	\$26.66
43-9041	Insurance Claims and Policy Processing Clerks	\$11.84	\$20.80	\$13.06	\$16.98	\$29.80
41-3021	Insurance Sales Agents	\$11.56	\$24.42	\$13.94	\$20.40	\$30.27
13-2053	Insurance Underwriters	\$16.89	\$27.12	\$18.74	\$27.04	\$35.09
27-1025	Interior Designers	\$15.52	\$24.80	\$17.40	\$22.98	\$31.52
29-1063	Internists, General	\$55.74	(3)	\$59.19	\$69.12	>\$70.01
27-3091	Interpreters and Translators	\$12.57	\$18.44	\$13.43	\$16.17	\$22.14
43-4111	Interviewers, Except Eligibility and Loan	\$8.75	\$14.92	\$9.82	\$14.10	\$19.74
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$6.62	\$9.15	\$7.09	\$8.16	\$10.68
51-9071	Jewelers and Precious Stone and Metal Workers	\$6.26	\$12.22	\$6.75	\$10.04	\$15.34
51-5021	Job Printers	\$9.63	\$14.19	\$10.51	\$14.45	\$16.59
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$6.33	\$9.38	\$6.86	\$8.62	\$10.74
17-1012	Landscape Architects	\$19.72	\$27.93	\$23.03	\$29.71	\$33.63
37-3011	Landscaping and Groundskeeping Workers	\$6.52	\$9.43	\$7.06	\$8.33	\$10.64
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$7.97	\$13.48	\$9.40	\$13.18	\$16.39
51-6011	Laundry and Dry-Cleaning Workers	\$6.79	\$8.52	\$7.20	\$7.98	\$8.75
23-2092	Law Clerks	\$15.41	\$18.30	\$17.52	\$18.98	\$20.64

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
23-1011	Lawyers	\$32.40	\$49.88	\$39.29	\$51.42	\$63.47
51-4192	Lay-Out Workers, Metal and Plastic	\$9.45	\$13.51	\$11.12	\$13.00	\$15.72
23-0000	Legal Occupations	\$21.84	\$42.96	\$26.66	\$44.05	\$59.62
43-6012	Legal Secretaries	\$14.56	\$18.58	\$15.74	\$18.68	\$21.18
11-1031	Legislators	\$15.52	\$26.28	\$16.12	\$19.95	\$29.06
25-4021	Librarians	\$17.08	\$23.21	\$19.31	\$22.40	\$27.62
43-4121	Library Assistants, Clerical	\$9.28	\$12.20	\$10.36	\$12.26	\$13.88
25-4031	Library Technicians	\$9.95	\$13.99	\$10.91	\$14.04	\$16.81
29-2061	Licensed Practical and Licensed Vocational Nurses	\$13.25	\$17.40	\$14.15	\$15.85	\$17.64
19-1099	Life Scientists, All Other	\$16.54	\$25.35	\$18.05	\$22.96	\$31.43
19-0000	Life, Physical, and Social Science Occupations	\$14.06	\$25.28	\$16.63	\$23.35	\$31.68
19-4099	Life, Physical, and Social Science Technicians, All Other	\$10.22	\$17.81	\$12.74	\$17.43	\$22.51
13-2071	Loan Counselors	\$12.19	\$18.20	\$13.06	\$18.08	\$21.02
43-4131	Loan Interviewers and Clerks	\$10.51	\$14.68	\$11.89	\$14.27	\$17.78
13-2072	Loan Officers	\$16.99	\$23.86	\$18.89	\$21.80	\$27.73
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$6.25*	\$8.08	\$6.45	\$7.66	\$8.91
49-9094	Locksmiths and Safe Repairers	\$9.24	\$14.55	\$10.17	\$14.73	\$18.83
11-9081	Lodging Managers	\$14.35	\$20.80	\$15.65	\$19.15	\$22.95
53-7063	Machine Feeders and Offbearers	\$6.67	\$8.10	\$7.13	\$8.01	\$8.98
51-4041	Machinists	\$9.37	\$15.33	\$9.93	\$12.56	\$17.73

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
37-2012	Maids and Housekeeping Cleaners	\$6.47	\$8.03	\$6.99	\$7.93	\$8.85
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.51	\$9.56	\$7.75	\$8.66	\$10.77
49-9042	Maintenance and Repair Workers, General	\$8.78	\$14.13	\$10.05	\$13.12	\$17.30
49-9043	Maintenance Workers, Machinery	\$9.29	\$15.25	\$11.39	\$15.85	\$19.56
13-1111	Management Analysts	\$13.59	\$24.42	\$14.76	\$24.05	\$31.82
11-0000	Management Occupations	\$19.51	\$37.06	\$23.40	\$34.28	\$48.45
11-9199	Managers, All Other	\$21.59	\$36.89	\$25.75	\$35.04	\$46.45
39-5092	Manicurists and Pedicurists	\$7.43	\$7.71	\$7.32	\$7.80	\$8.29
19-3021	Market Research Analysts	\$17.25	\$26.28	\$19.16	\$24.02	\$31.51
11-2021	Marketing Managers	\$21.66	\$38.37	\$25.88	\$36.55	\$50.56
21-1013	Marriage and Family Therapists	\$12.06	\$16.68	\$13.39	\$16.95	\$20.05
31-9011	Massage Therapists	\$7.05	\$14.45	\$8.07	\$17.08	\$19.52
53-7199	Material Moving Workers, All Other	\$6.25*	\$12.22	\$6.81	\$9.22	\$17.41
17-2131	Materials Engineers	\$23.07	\$29.83	\$24.27	\$28.09	\$34.08
19-2032	Materials Scientists	\$19.76	\$29.22	\$21.30	\$26.17	\$37.93
15-2021	Mathematicians	\$28.96	\$38.31	\$33.68	\$39.28	\$43.96
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$6.44	\$9.58	\$7.02	\$9.31	\$12.17
17-3013	Mechanical Drafters	\$13.91	\$18.99	\$15.06	\$17.46	\$22.20
17-3027	Mechanical Engineering Technicians	\$15.52	\$22.02	\$17.30	\$22.87	\$26.09
17-2141	Mechanical Engineers	\$22.40	\$31.70	\$25.75	\$32.09	\$38.24

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-4099	Media and Communication Equipment Workers, All Other	\$11.57	\$20.43	\$13.40	\$19.05	\$25.73
27-3099	Media and Communication Workers, All Other	\$13.11	\$19.79	\$14.90	\$17.71	\$22.13
29-2012	Medical and Clinical Laboratory Technicians	\$9.14	\$14.09	\$10.13	\$13.55	\$17.19
29-2011	Medical and Clinical Laboratory Technologists	\$19.49	\$23.79	\$21.44	\$24.50	\$26.89
11-9111	Medical and Health Services Managers	\$21.89	\$33.73	\$26.28	\$32.63	\$39.84
21-1022	Medical and Public Health Social Workers	\$13.65	\$21.65	\$16.50	\$20.53	\$26.25
31-9092	Medical Assistants	\$9.29	\$12.86	\$10.32	\$12.86	\$15.44
31-9093	Medical Equipment Preparers	\$9.94	\$13.19	\$10.58	\$12.57	\$15.52
49-9062	Medical Equipment Repairers	\$17.05	\$25.98	\$20.02	\$28.74	\$32.39
29-2071	Medical Records and Health Information Technicians	\$9.63	\$13.73	\$10.57	\$13.28	\$15.89
19-1042	Medical Scientists, Except Epidemiologists	\$18.79	\$34.12	\$22.98	\$32.68	\$42.22
43-6013	Medical Secretaries	\$10.79	\$13.85	\$11.67	\$13.66	\$16.00
31-9094	Medical Transcriptionists	\$10.78	\$15.01	\$12.17	\$15.39	\$17.84
13-1121	Meeting and Convention Planners	\$13.68	\$19.72	\$14.92	\$18.79	\$22.84
21-1023	Mental Health and Substance Abuse Social Workers	\$9.70	\$12.72	\$9.78	\$10.88	\$15.29
21-1014	Mental Health Counselors	\$9.54	\$17.18	\$10.01	\$18.35	\$23.14
27-1026	Merchandise Displayers and Window Trimmers	\$9.19	\$11.30	\$9.68	\$11.00	\$12.86
51-4199	Metal Workers and Plastic Workers, All Other	\$7.48	\$9.25	\$7.47	\$8.13	\$8.88
51-4051	Metal-Refining Furnace Operators and Tenders	\$10.00	\$14.16	\$11.12	\$14.03	\$17.10
19-1022	Microbiologists	\$17.85	\$27.96	\$20.41	\$25.82	\$35.11

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
49-9044	Millwrights	\$11.77	\$22.13	\$14.57	\$17.97	\$28.54
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	\$18.15	\$29.27	\$20.35	\$27.15	\$38.69
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$9.78	\$13.84	\$10.74	\$12.97	\$16.82
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$15.87	\$19.80	\$17.47	\$19.94	\$21.94
51-4061	Model Makers, Metal and Plastic	\$18.64	\$27.00	\$21.43	\$28.85	\$33.20
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	\$6.25*	\$10.08	\$6.43	\$7.90	\$10.92
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.25*	\$10.69	\$6.59	\$8.13	\$11.77
39-3021	Motion Picture Projectionists	\$6.25*	\$6.97	\$6.25*	\$6.52	\$7.14
53-3099	Motor Vehicle Operators, All Other	\$6.98	\$11.54	\$7.72	\$10.52	\$15.51
49-3051	Motorboat Mechanics	\$11.37	\$20.31	\$12.41	\$15.57	\$21.48
49-3052	Motorcycle Mechanics	\$10.57	\$15.76	\$11.23	\$15.64	\$20.05
27-1014	Multi-Media Artists and Animators	\$17.18	\$23.89	\$19.64	\$23.93	\$29.07
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$7.88	\$10.76	\$8.00	\$8.97	\$10.86
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$27.64	\$43.30	\$32.90	\$42.35	\$53.82
15-1071	Network and Computer Systems Administrators	\$18.77	\$27.01	\$21.00	\$26.48	\$33.13
15-1081	Network Systems and Data Communications Analysts	\$18.55	\$24.62	\$19.98	\$23.42	\$27.62

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4141	New Accounts Clerks	\$9.69	\$13.91	\$10.71	\$13.49	\$16.38
27-3020	News Analysts, Reporters and Correspondents	\$12.69	\$22.23	\$14.43	\$23.70	\$30.33
39-2021	Nonfarm Animal Caretakers	\$6.69	\$9.14	\$7.16	\$8.20	\$10.64
17-2161	Nuclear Engineers	\$36.99	\$41.09	\$38.03	\$41.44	\$44.85
29-2033	Nuclear Medicine Technologists	\$22.24	\$25.81	\$23.65	\$26.09	\$28.71
51-4012	Numerical Tool and Process Control Programmers	\$16.35	\$21.68	\$17.94	\$20.72	\$24.05
31-1012	Nursing Aides, Orderlies, and Attendants	\$7.67	\$9.75	\$8.17	\$9.56	\$11.39
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-9010	Occupational Health and Safety Specialists and Technicians	\$17.64	\$24.74	\$19.90	\$23.89	\$29.80
31-2012	Occupational Therapist Aides	\$7.78	\$12.57	\$8.15	\$9.80	\$13.93
31-2011	Occupational Therapist Assistants	\$14.83	\$18.63	\$16.55	\$19.27	\$21.11
29-1122	Occupational Therapists	\$24.15	\$30.82	\$27.90	\$31.42	\$34.44
43-0000	Office and Administrative Support Occupations	\$8.71	\$13.78	\$9.93	\$12.92	\$16.83
43-9061	Office Clerks, General	\$8.50	\$12.16	\$9.43	\$11.78	\$14.39
43-9071	Office Machine Operators, Except Computer	\$8.14	\$10.87	\$8.50	\$10.45	\$13.03
47-2073	Operating Engineers and Other Construction Equipment Operators	\$18.18	\$25.07	\$19.93	\$25.01	\$31.21
15-2031	Operations Research Analysts	\$21.13	\$30.88	\$23.59	\$28.87	\$37.56
51-9083	Ophthalmic Laboratory Technicians	\$7.68	\$10.31	\$8.10	\$9.70	\$12.05
29-2081	Opticians, Dispensing	\$12.89	\$14.85	\$13.79	\$15.11	\$16.47
29-1041	Optometrists	\$31.31	\$33.91	\$30.58	\$33.07	\$35.71

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43-4151	Order Clerks	\$8.54	\$12.34	\$9.54	\$11.61	\$14.43
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$9.94	\$13.19	\$11.05	\$12.88	\$15.19
51-9111	Packaging and Filling Machine Operators and Tenders	\$6.78	\$9.43	\$7.29	\$8.37	\$10.33
53-7064	Packers and Packagers, Hand	\$6.25*	\$7.67	\$6.29	\$7.27	\$8.50
47-2141	Painters, Construction and Maintenance	\$9.74	\$15.14	\$10.94	\$14.22	\$17.95
51-9122	Painters, Transportation Equipment	\$10.35	\$19.03	\$11.15	\$14.96	\$23.34
51-9123	Painting, Coating, and Decorating Workers	\$6.59	\$9.75	\$7.12	\$9.02	\$12.07
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$8.23	\$12.78	\$8.88	\$10.53	\$15.79
23-2011	Paralegals and Legal Assistants	\$17.20	\$22.89	\$18.83	\$21.67	\$27.95
41-2022	Parts Salespersons	\$7.43	\$12.84	\$8.32	\$10.63	\$16.51
51-4062	Patternmakers, Metal and Plastic	\$8.20	\$14.38	\$9.36	\$13.95	\$17.57
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$12.52	\$18.99	\$13.61	\$18.43	\$22.43
43-3051	Payroll and Timekeeping Clerks	\$11.35	\$14.87	\$12.29	\$14.54	\$17.31
29-1065	Pediatricians, General	\$39.92	\$49.59	\$43.03	\$49.98	\$55.79
39-9021	Personal and Home Care Aides	\$6.25*	\$7.85	\$6.29	\$7.12	\$8.57
39-0000	Personal Care and Service Occupations	\$6.34	\$9.81	\$6.91	\$8.25	\$11.72
39-9099	Personal Care and Service Workers, All Other	\$8.11	\$12.15	\$9.23	\$12.43	\$15.12
13-2052	Personal Financial Advisors	\$19.11	\$40.52	\$23.05	\$34.85	\$64.07
37-2021	Pest Control Workers	\$7.80	\$9.10	\$7.75	\$8.55	\$9.97
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$8.56	\$13.11	\$9.13	\$13.66	\$16.29

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$15.79	\$18.64	\$16.79	\$18.99	\$20.79
29-1051	Pharmacists	\$22.95	\$34.98	\$29.58	\$38.43	\$42.68
31-9095	Pharmacy Aides	\$8.70	\$11.24	\$9.47	\$11.30	\$13.05
29-2052	Pharmacy Technicians	\$11.18	\$15.33	\$12.79	\$15.00	\$16.62
25-1126	Philosophy and Religion Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4021	Photographers	\$8.37	\$12.10	\$8.85	\$10.24	\$11.49
51-9131	Photographic Process Workers	\$7.81	\$12.39	\$8.10	\$9.83	\$15.87
51-9132	Photographic Processing Machine Operators	\$7.72	\$9.72	\$8.38	\$9.62	\$10.76
19-2099	Physical Scientists, All Other	\$31.24	\$43.30	\$37.00	\$47.24	\$52.35
31-2022	Physical Therapist Aides	\$8.16	\$10.24	\$8.86	\$10.01	\$11.06
31-2021	Physical Therapist Assistants	\$10.03	\$16.18	\$10.63	\$16.40	\$20.55
29-1123	Physical Therapists	\$17.53	\$26.35	\$19.06	\$25.31	\$33.02
29-1071	Physician Assistants	\$34.50	\$40.23	\$37.61	\$41.24	\$44.85
29-1069	Physicians and Surgeons, All Other	\$33.02	\$49.68	\$38.32	\$44.91	\$65.58
19-2012	Physicists	\$33.80	\$40.36	\$36.36	\$40.76	\$45.35
47-2151	Pipelayers	\$12.73	\$17.43	\$14.24	\$17.39	\$20.70
51-8099	Plant and System Operators, All Other	\$14.57	\$20.82	\$18.03	\$20.21	\$22.75
47-2161	Plasterers and Stucco Masons	\$13.53	\$19.18	\$15.17	\$18.12	\$23.00
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.59	\$11.29	\$9.07	\$10.23	\$11.74
47-2152	Plumbers, Pipefitters, and Steamfitters	\$13.35	\$18.47	\$15.16	\$18.33	\$21.34

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-3051	Police and Sheriff's Patrol Officers	\$20.72	\$27.16	\$22.47	\$28.10	\$32.57
43-5031	Police, Fire, and Ambulance Dispatchers	\$15.59	\$18.92	\$18.15	\$19.85	\$21.42
25-1099	Postsecondary Teachers, All Other	\$23.70	\$32.23	\$26.57	\$32.91	\$39.23
25-1199	Postsecondary Teachers, All Other	(2)	(2)	(2)	(2)	(2)
49-9069	Precision Instrument and Equipment Repairers, All Other	\$17.92	\$21.33	\$18.62	\$21.06	\$24.76
51-5022	Prepress Technicians and Workers	\$7.83	\$14.11	\$8.24	\$13.64	\$18.69
25-2011	Preschool Teachers, Except Special Education	\$7.64	\$10.21	\$8.21	\$9.65	\$11.19
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.25*	\$7.71	\$6.55	\$7.62	\$8.60
51-5023	Printing Machine Operators	\$6.82	\$12.45	\$7.73	\$11.29	\$16.84
33-9021	Private Detectives and Investigators	\$11.12	\$18.58	\$12.88	\$19.83	\$22.81
43-3061	Procurement Clerks	\$12.11	\$15.58	\$13.63	\$15.77	\$17.49
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.21	\$12.13	\$8.05	\$10.27	\$14.14
51-9199	Production Workers, All Other	\$7.09	\$9.45	\$7.63	\$9.03	\$10.46
43-5061	Production, Planning, and Expediting Clerks	\$10.25	\$17.12	\$12.11	\$16.24	\$21.36
43-9081	Proofreaders and Copy Markers	\$8.96	\$11.46	\$9.54	\$10.75	\$13.37
11-9141	Property, Real Estate, and Community Association Managers	\$14.11	\$22.16	\$15.84	\$20.56	\$27.20
33-0000	Protective Service Occupations	\$7.32	\$17.68	\$8.21	\$17.46	\$25.35
33-9099	Protective Service Workers, All Other	\$7.87	\$15.30	\$9.24	\$13.67	\$20.97
29-2053	Psychiatric Technicians	\$14.76	\$18.22	\$16.61	\$19.04	\$20.75

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1066	Psychiatrists	\$31.83	(3)	\$37.42	\$51.80	>\$70.01
11-2031	Public Relations Managers	\$18.09	\$29.44	\$23.70	\$30.28	\$36.31
27-3031	Public Relations Specialists	\$16.25	\$25.93	\$18.99	\$25.39	\$31.03
13-1021	Purchasing Agents and Buyers, Farm Products	\$18.67	\$23.31	\$18.78	\$20.59	\$23.29
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$14.75	\$23.80	\$16.61	\$21.97	\$28.04
11-3061	Purchasing Managers	\$19.21	\$31.26	\$22.18	\$30.57	\$39.39
29-1124	Radiation Therapists	\$25.14	\$32.78	\$26.25	\$30.47	\$36.93
27-4013	Radio Operators	\$10.05	\$11.49	\$10.20	\$11.56	\$13.01
29-2034	Radiologic Technologists and Technicians	\$15.33	\$20.05	\$16.71	\$20.01	\$23.21
41-9021	Real Estate Brokers	\$13.09	\$39.09	\$18.31	\$32.74	\$64.89
41-9022	Real Estate Sales Agents	\$6.40	\$12.56	\$6.98	\$10.39	\$15.03
43-4171	Receptionists and Information Clerks	\$7.93	\$11.79	\$8.76	\$10.83	\$13.22
39-9032	Recreation Workers	\$7.12	\$8.94	\$7.47	\$8.41	\$9.88
29-1125	Recreational Therapists	\$8.16	\$13.57	\$9.28	\$13.09	\$17.44
49-3092	Recreational Vehicle Service Technicians	\$9.26	\$16.69	\$10.33	\$14.03	\$21.84
53-7081	Refuse and Recyclable Material Collectors	\$7.89	\$14.50	\$9.70	\$13.63	\$20.14
29-1111	Registered Nurses	\$20.32	\$25.87	\$22.07	\$25.46	\$28.89
21-1015	Rehabilitation Counselors	\$8.44	\$14.09	\$8.70	\$13.64	\$17.94
47-2171	Reinforcing Iron and Rebar Workers	\$14.46	\$21.60	\$16.51	\$23.09	\$26.51
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$8.85	\$13.96	\$9.92	\$12.17	\$19.19

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-9041	Residential Advisors	\$7.40	\$10.93	\$7.97	\$9.63	\$12.95
29-1126	Respiratory Therapists	\$17.83	\$21.47	\$18.56	\$20.82	\$23.78
29-2054	Respiratory Therapy Technicians	\$17.89	\$20.71	\$18.71	\$20.65	\$22.67
41-2031	Retail Salespersons	\$6.67	\$10.48	\$7.16	\$8.38	\$11.26
49-9096	Riggers	\$13.78	\$17.30	\$15.32	\$17.98	\$20.16
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.25*	\$8.88	\$6.39	\$7.94	\$10.20
47-2181	Roofers	\$15.34	\$20.55	\$16.81	\$19.73	\$21.95
53-5011	Sailors and Marine Oilers	\$6.25*	\$6.52	\$6.25*	\$6.44	\$6.92
41-0000	Sales and Related Occupations	\$6.83	\$14.22	\$7.49	\$10.11	\$17.20
41-9099	Sales and Related Workers, All Other	\$8.60	\$20.40	\$10.38	\$16.05	\$25.86
41-9031	Sales Engineers	\$18.24	\$26.28	\$19.93	\$24.79	\$30.98
11-2022	Sales Managers	\$19.61	\$35.91	\$22.41	\$32.32	\$47.70
41-3099	Sales Representatives, Services, All Other	\$9.40	\$20.23	\$11.98	\$16.46	\$23.27
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$12.81	\$23.22	\$15.25	\$20.22	\$27.96
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$11.85	\$26.45	\$14.12	\$25.72	\$34.23
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$6.54	\$9.48	\$7.11	\$9.22	\$11.35
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$8.68	\$13.14	\$10.19	\$12.88	\$15.99
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$15.15	\$29.45	\$17.25	\$22.25	\$34.25

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2098	Security and Fire Alarm Systems Installers	\$11.38	\$17.14	\$12.15	\$14.70	\$21.62
33-9032	Security Guards	\$6.45	\$8.39	\$6.98	\$7.89	\$8.92
25-2021	Self-Enrichment Education Teachers	\$9.12	\$14.58	\$9.85	\$12.48	\$17.25
51-9141	Semiconductor Processors	\$12.97	\$15.46	\$14.10	\$15.61	\$17.11
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$8.08	\$12.04	\$8.55	\$11.48	\$14.15
53-6031	Service Station Attendants	\$6.25*	\$8.06	\$6.34	\$7.32	\$8.76
27-1027	Set and Exhibit Designers	\$9.82	\$12.92	\$9.68	\$10.59	\$16.78
51-6051	Sewers, Hand	\$6.38	\$8.39	\$6.95	\$8.22	\$9.85
51-6031	Sewing Machine Operators	\$6.25*	\$7.50	\$6.25*	\$6.97	\$8.53
47-2211	Sheet Metal Workers	\$12.74	\$18.21	\$14.71	\$17.85	\$21.49
43-5071	Shipping, Receiving, and Traffic Clerks	\$7.97	\$11.44	\$8.77	\$10.73	\$13.98
51-6041	Shoe and Leather Workers and Repairers	\$6.25*	\$7.48	\$6.60	\$7.53	\$8.41
39-5094	Skin Care Specialists	\$7.98	\$12.98	\$8.70	\$14.42	\$16.40
11-9151	Social and Community Service Managers	\$13.83	\$23.47	\$15.02	\$19.59	\$28.95
21-1093	Social and Human Service Assistants	\$8.55	\$11.44	\$9.55	\$11.18	\$13.07
19-3099	Social Scientists and Related Workers, All Other	\$16.25	\$25.60	\$20.01	\$24.99	\$30.49
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1127	Speech-Language Pathologists	\$23.04	\$28.96	\$24.90	\$29.40	\$33.34
51-8021	Stationary Engineers and Boiler Operators	\$18.12	\$24.56	\$20.81	\$24.88	\$28.81
43-9111	Statistical Assistants	\$12.86	\$16.72	\$14.49	\$16.39	\$19.15
15-2041	Statisticians	\$18.63	\$30.06	\$23.52	\$29.17	\$36.60
43-5081	Stock Clerks and Order Fillers	\$6.96	\$10.64	\$7.65	\$9.72	\$12.92
47-2221	Structural Iron and Steel Workers	\$15.74	\$23.52	\$18.06	\$24.11	\$28.98
51-2041	Structural Metal Fabricators and Fitters	\$8.75	\$13.52	\$9.83	\$13.57	\$16.75
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$9.78	\$13.78	\$11.31	\$14.43	\$16.35
29-1067	Surgeons	\$51.72	(3)	\$59.62	\$64.02	>\$70.01
29-2055	Surgical Technologists	\$14.17	\$17.43	\$15.01	\$17.32	\$19.97
17-3031	Surveying and Mapping Technicians	\$7.82	\$16.49	\$9.08	\$17.65	\$21.59
17-1022	Surveyors	\$17.07	\$25.66	\$18.19	\$26.91	\$32.10
43-2011	Switchboard Operators, Including Answering Service	\$7.85	\$10.25	\$8.26	\$9.64	\$11.89
51-6052	Tailors, Dressmakers, and Custom Sewers	\$8.08	\$13.94	\$9.65	\$14.70	\$17.41
47-2082	Tapers	\$15.42	\$19.16	\$17.54	\$19.62	\$21.48
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$19.78	\$26.45	\$22.12	\$26.40	\$31.57
13-2082	Tax Preparers	\$7.91	\$10.73	\$8.52	\$10.31	\$12.23
53-3041	Taxi Drivers and Chauffeurs	\$6.61	\$9.20	\$7.15	\$9.03	\$10.62
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$6.67	\$10.17	\$7.22	\$8.83	\$11.26

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-3042	Technical Writers	\$18.71	\$25.04	\$20.34	\$24.30	\$29.34
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$16.52	\$21.34	\$18.68	\$22.06	\$25.42
49-9052	Telecommunications Line Installers and Repairers	\$10.13	\$18.03	\$11.40	\$16.63	\$25.46
41-9041	Telemarketers	\$6.75	\$11.27	\$7.57	\$10.77	\$13.52
43-2021	Telephone Operators	\$10.85	\$15.54	\$13.05	\$16.16	\$18.19
43-3071	Tellers	\$7.72	\$9.59	\$8.20	\$9.54	\$10.70
47-2053	Terrazzo Workers and Finishers	\$10.62	\$16.41	\$12.49	\$15.59	\$19.33
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	\$6.25*	\$10.73	\$6.35	\$7.30	\$10.19
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$8.01	\$9.67	\$8.82	\$9.76	\$10.70
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	\$6.25*	\$8.17	\$6.51	\$8.32	\$10.01
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$7.39	\$9.14	\$7.72	\$8.70	\$10.50
47-2044	Tile and Marble Setters	\$17.13	\$23.62	\$20.07	\$24.77	\$27.30
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	\$9.32	\$11.43	\$9.51	\$10.61	\$12.58
49-3093	Tire Repairers and Changers	\$7.94	\$8.98	\$7.78	\$8.45	\$9.45
23-2093	Title Examiners, Abstractors, and Searchers	\$14.18	\$21.66	\$16.28	\$20.75	\$26.36
51-4111	Tool and Die Makers	\$16.65	\$21.88	\$19.41	\$23.05	\$25.97
51-4194	Tool Grinders, Filers, and Sharpeners	\$7.57	\$11.76	\$8.05	\$11.09	\$15.50
39-6021	Tour Guides and Escorts	\$9.74	\$14.25	\$10.84	\$15.29	\$16.96
13-1073	Training and Development Specialists	\$14.89	\$24.59	\$17.64	\$23.79	\$32.32
33-3052	Transit and Railroad Police	\$9.78	\$10.63	\$9.44	\$10.17	\$10.89

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-0000	Transportation and Material Moving Occupations	\$6.64	\$11.51	\$7.26	\$9.75	\$14.40
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$6.25*	\$7.94	\$6.25*	\$7.43	\$9.33
53-6051	Transportation Inspectors	\$17.97	\$26.04	\$21.41	\$25.33	\$31.60
53-6099	Transportation Workers, All Other	\$7.55	\$15.16	\$8.17	\$15.97	\$19.46
11-3071	Transportation, Storage, and Distribution Managers	\$16.87	\$27.29	\$18.69	\$26.09	\$33.31
41-3041	Travel Agents	\$8.67	\$10.96	\$9.10	\$10.28	\$12.83
37-3013	Tree Trimmers and Pruners	\$10.40	\$14.65	\$11.68	\$13.80	\$18.59
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$11.80	\$15.94	\$13.07	\$15.68	\$18.20
53-3033	Truck Drivers, Light or Delivery Services	\$7.69	\$11.57	\$8.53	\$10.84	\$14.43
51-6093	Upholsterers	\$8.48	\$12.62	\$8.99	\$12.24	\$13.95
19-3051	Urban and Regional Planners	\$19.78	\$26.85	\$22.73	\$27.02	\$32.16
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.25*	\$8.60	\$6.26	\$7.22	\$9.13
29-1131	Veterinarians	\$24.78	\$36.91	\$30.44	\$38.67	\$43.39
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$6.25*	\$8.30	\$6.28	\$7.43	\$9.83
29-2056	Veterinary Technologists and Technicians	\$8.11	\$11.84	\$8.71	\$11.35	\$14.23
25-2023	Vocational Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-1194	Vocational Education Teachers, Postsecondary	\$14.79	\$24.90	\$16.40	\$21.19	\$33.58
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.25*	\$7.40	\$6.25*	\$6.91	\$8.05
49-9064	Watch Repairers	\$9.28	\$9.79	\$9.30	\$9.97	\$10.65

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$17.74	\$23.13	\$20.09	\$24.25	\$26.79
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$9.79	\$15.59	\$11.33	\$15.80	\$20.14
51-4121	Welders, Cutters, Solderers, and Brazers	\$8.84	\$12.75	\$9.55	\$11.04	\$15.52
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$8.98	\$15.08	\$10.97	\$14.80	\$18.04
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$12.36	\$18.52	\$14.23	\$16.52	\$21.36
51-7099	Woodworkers, All Other	\$9.91	\$12.66	\$10.36	\$11.97	\$14.42
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$7.21	\$10.85	\$8.00	\$10.36	\$13.49
43-9022	Word Processors and Typists	\$10.78	\$13.11	\$11.54	\$13.03	\$14.45
27-3043	Writers and Authors	\$9.99	\$24.45	\$11.20	\$18.53	\$28.91
19-1023	Zoologists and Wildlife Biologists	\$20.45	\$28.40	\$21.67	\$29.40	\$33.71

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage.
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.01 per hour (the top step in the 2000 OES survey), the mean hourly and annual wages cannot be reliably calculated.
- * The survey reference date was in the fourth quarter of 2000, when the California minimum wage was \$5.75 per hour. Since these wages were updated to 2001, and the minimum wage changed to \$6.25 per hour on January 1, 2001, wages below \$6.25 were set to \$6.25 per hour. Starting January 1, 2002, the California minimum wage is \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

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Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at www.bls.gov.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

Interval	Hourly Wage	Annual Wage
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

Metropolitan Area The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

San Diego MSA

San Diego County

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$17.16	\$24.99	\$18.73	\$23.05	\$29.69
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$18.59	\$30.77	\$20.21	\$25.97	\$42.55
11-3011	Administrative Services Managers	\$16.87	\$28.95	\$19.45	\$26.02	\$36.48
11-2011	Advertising and Promotions Managers	\$16.90	\$32.30	\$19.26	\$26.98	\$42.03
41-3011	Advertising Sales Agents	\$12.37	\$27.82	\$15.08	\$23.16	\$40.46
17-3021	Aerospace Engineering and Operations Technicians	\$20.83	\$27.29	\$23.15	\$27.74	\$32.48
17-2011	Aerospace Engineers	\$28.98	\$35.93	\$30.66	\$35.07	\$41.99
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	\$19.92	\$34.84	\$21.65	\$26.88	\$50.19
19-4011	Agricultural and Food Science Technicians	\$7.62	\$15.81	\$9.42	\$14.39	\$21.37
45-2091	Agricultural Equipment Operators	\$8.29	\$11.44	\$8.34	\$9.23	\$14.61
25-1041	Agricultural Sciences Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
53-1011	Aircraft Cargo Handling Supervisors	\$12.90	\$18.76	\$13.66	\$17.14	\$24.11
49-3011	Aircraft Mechanics and Service Technicians	\$15.38	\$21.26	\$17.72	\$20.89	\$25.32
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	\$8.84	\$16.27	\$9.51	\$16.09	\$23.08

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-2022	Airfield Operations Specialists	\$13.45	\$21.42	\$15.07	\$18.40	\$29.93
53-2011	Airline Pilots, Copilots, and Flight Engineers	(2)	(2)	(2)	(2)	(2)
27-1099	All Other Art and Design Workers	\$10.96	\$17.96	\$12.51	\$15.88	\$17.70
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$8.18	\$12.79	\$9.43	\$12.38	\$16.24
47-4999	All Other Construction Trades and Related Workers	\$7.46	\$15.48	\$8.50	\$15.24	\$20.01
21-9099	All Other Counselors, Social and Religious Workers	\$10.25	\$17.55	\$12.38	\$17.50	\$22.28
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$15.15	\$22.61	\$17.60	\$22.84	\$27.98
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$9.81	\$16.23	\$10.99	\$15.45	\$20.73
43-4999	All Other Financial, Information, and Record Clerks	\$10.56	\$16.30	\$12.22	\$15.60	\$19.06
29-9199	All Other Health Professionals and Technicians	\$9.88	\$16.00	\$11.46	\$14.08	\$18.22
23-9099	All Other Legal and Related Workers	\$12.62	\$20.59	\$13.37	\$16.26	\$23.36
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$10.93	\$15.06	\$11.95	\$14.47	\$17.60
33-9011	Animal Control Workers	\$10.40	\$14.23	\$12.00	\$14.42	\$17.20
39-2011	Animal Trainers	\$9.56	\$15.39	\$11.38	\$13.41	\$15.74
27-3010	Announcers	\$9.02	\$13.63	\$9.32	\$10.37	\$13.37
19-3091	Anthropologists and Archeologists	\$11.01	\$17.67	\$11.72	\$14.06	\$23.30
25-1061	Anthropology and Archeology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
13-2021	Appraisers and Assessors of Real Estate	\$19.51	\$24.25	\$20.14	\$22.35	\$25.87
17-1011	Architects, Except Landscape and Naval	\$24.55	\$31.36	\$26.05	\$29.67	\$36.81

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3011	Architectural and Civil Drafters	\$14.08	\$19.42	\$15.56	\$18.42	\$22.00
17-0000	Architecture and Engineering Occupations	\$17.83	\$29.29	\$21.10	\$28.56	\$36.73
25-4010	Archivists, Curators, and Museum Technicians	\$12.44	\$21.00	\$14.20	\$19.09	\$26.41
27-1011	Art Directors	\$20.74	\$32.45	\$22.67	\$32.57	\$40.62
25-1121	Art, Drama, and Music Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$9.63	\$20.58	\$11.31	\$17.18	\$25.55
51-2099	Assemblers and Fabricators, All Other	\$7.53	\$10.66	\$8.07	\$10.21	\$12.70
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
19-2021	Atmospheric and Space Scientists	\$24.88	\$31.96	\$27.69	\$31.54	\$37.10
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$10.41	\$14.69	\$11.21	\$12.69	\$15.77
49-3021	Automotive Body and Related Repairers	\$11.42	\$19.80	\$13.32	\$17.00	\$24.18
49-3023	Automotive Service Technicians and Mechanics	\$9.57	\$17.41	\$11.40	\$16.51	\$21.41
49-2091	Avionics Technicians	\$18.15	\$20.61	\$18.55	\$20.32	\$22.38
39-6011	Baggage Porters and Bellhops	\$6.75*	\$8.28	\$6.75*	\$7.16	\$8.23
51-3011	Bakers	\$7.18	\$11.00	\$7.98	\$10.45	\$13.49
39-5011	Barbers	\$6.79	\$9.62	\$7.22	\$9.67	\$10.75
35-3011	Bartenders	\$6.75*	\$6.91	\$6.75*	\$6.75*	\$7.29
49-3091	Bicycle Repairers	\$7.52	\$9.80	\$7.86	\$9.54	\$11.69
43-3011	Bill and Account Collectors	\$11.16	\$14.77	\$11.97	\$14.21	\$17.06

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-3021	Billing and Posting Clerks and Machine Operators	\$9.94	\$13.41	\$10.96	\$13.12	\$15.92
51-5011	Bindery Workers	\$7.34	\$10.75	\$8.07	\$10.78	\$12.89
19-1021	Biochemists and Biophysicists	\$17.69	\$28.90	\$19.74	\$25.80	\$37.82
25-1042	Biological Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-4021	Biological Technicians	\$12.52	\$17.76	\$14.45	\$16.58	\$20.97
17-2031	Biomedical Engineers	\$24.73	\$36.93	\$27.62	\$35.00	\$43.32
47-2011	Boilermakers	\$13.79	\$16.91	\$14.63	\$16.50	\$19.02
51-5012	Bookbinders	\$9.79	\$11.91	\$11.47	\$12.49	\$13.51
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$10.17	\$14.57	\$11.25	\$14.08	\$17.27
47-2021	Brickmasons and Blockmasons	\$14.83	\$22.97	\$17.53	\$21.90	\$30.55
27-4012	Broadcast Technicians	\$7.67	\$13.76	\$8.34	\$10.58	\$18.30
43-4011	Brokerage Clerks	\$13.61	\$17.59	\$14.38	\$15.90	\$17.81
13-2031	Budget Analysts	\$20.99	\$27.19	\$23.04	\$26.78	\$31.44
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$7.26	\$10.01	\$7.58	\$8.81	\$10.98
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$13.63	\$20.45	\$15.64	\$19.88	\$24.32
53-3022	Bus Drivers, School	\$10.23	\$13.88	\$11.37	\$13.83	\$16.58
53-3021	Bus Drivers, Transit and Intercity	\$9.18	\$13.82	\$10.03	\$13.59	\$17.83
13-0000	Business and Financial Operations Occupations	\$15.53	\$24.83	\$17.85	\$22.82	\$29.89
13-1199	Business Operations Specialists, All Other	\$16.06	\$25.56	\$18.76	\$23.51	\$30.79
25-1011	Business Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-3021	Butchers and Meat Cutters	\$8.45	\$14.60	\$9.68	\$14.37	\$19.80
51-7011	Cabinetmakers and Bench Carpenters	\$8.06	\$12.55	\$8.84	\$11.37	\$16.02
49-9061	Camera and Photographic Equipment Repairers	\$11.65	\$14.56	\$12.44	\$14.02	\$16.07
27-4031	Camera Operators, Television, Video, and Motion Picture	\$11.00	\$16.79	\$12.20	\$14.87	\$19.23
53-5021	Captains, Mates, and Pilots of Water Vessels	\$10.75	\$17.25	\$11.83	\$14.29	\$17.95
29-2031	Cardiovascular Technologists and Technicians	\$13.10	\$18.31	\$14.09	\$16.86	\$22.10
43-5011	Cargo and Freight Agents	\$9.68	\$14.78	\$10.82	\$13.59	\$16.72
47-2031	Carpenters	\$10.23	\$17.87	\$11.51	\$17.66	\$23.11
47-2041	Carpet Installers	\$7.69	\$14.39	\$8.21	\$11.34	\$16.75
17-1021	Cartographers and Photogrammetrists	\$15.64	\$25.72	\$17.82	\$25.44	\$31.59
41-2011	Cashiers	\$6.75*	\$9.39	\$6.90	\$8.03	\$10.28
47-2051	Cement Masons and Concrete Finishers	\$17.07	\$22.68	\$19.56	\$23.09	\$26.58
51-9191	Cementing and Gluing Machine Operators and Tenders	\$8.10	\$10.21	\$8.49	\$9.70	\$10.99
35-1011	Chefs and Head Cooks	\$11.06	\$17.16	\$12.18	\$15.37	\$20.21
17-2041	Chemical Engineers	\$28.24	\$37.05	\$30.32	\$34.83	\$44.54
51-9011	Chemical Equipment Operators and Tenders	\$10.59	\$15.80	\$11.59	\$14.67	\$20.30
19-4031	Chemical Technicians	\$11.14	\$18.59	\$12.55	\$16.90	\$24.33
25-1052	Chemistry Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-2031	Chemists	\$13.86	\$25.36	\$16.38	\$22.34	\$32.50
11-1011	Chief Executives	\$36.36	(3)	\$43.95	\$61.52	>\$70.00

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-9011	Child Care Workers	\$7.17	\$9.77	\$7.63	\$9.58	\$11.52
21-1021	Child, Family, and School Social Workers	\$9.42	\$15.76	\$10.77	\$14.81	\$20.19
17-3022	Civil Engineering Technicians	\$18.53	\$23.11	\$19.82	\$22.47	\$25.91
17-2051	Civil Engineers	\$24.07	\$31.91	\$26.17	\$30.87	\$36.01
13-1031	Claims Adjusters, Examiners, and Investigators	\$14.16	\$19.53	\$15.18	\$17.92	\$22.93
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$8.11	\$6.75*	\$7.39	\$8.95
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$7.91	\$10.78	\$8.15	\$9.34	\$12.30
21-2011	Clergy	\$6.75*	\$10.81	\$6.75*	\$7.19	\$10.37
19-3031	Clinical, Counseling, and School Psychologists	\$21.33	\$28.14	\$23.74	\$27.43	\$32.19
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$8.19	\$11.74	\$8.84	\$10.41	\$13.84
51-2021	Coil Winders, Tapers, and Finishers	\$7.09	\$8.95	\$7.55	\$8.75	\$10.24
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$10.53	\$14.15	\$11.78	\$13.60	\$16.72
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.02	\$6.75*	\$6.88	\$7.65
27-1021	Commercial and Industrial Designers	\$15.65	\$25.27	\$18.28	\$24.22	\$32.65
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$8.89	\$14.60	\$9.81	\$14.29	\$18.26
25-1122	Communications Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
21-0000	Community and Social Services Occupations	\$9.77	\$17.30	\$11.38	\$16.39	\$22.03

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$17.78	\$24.47	\$19.60	\$23.85	\$27.90
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$14.93	\$21.99	\$16.65	\$20.54	\$26.01
15-1011	Computer and Information Scientists, Research	\$27.61	\$37.51	\$30.67	\$37.50	\$43.27
11-3021	Computer and Information Systems Managers	\$28.00	\$41.60	\$32.20	\$41.02	\$51.35
15-0000	Computer and Mathematical Occupations	\$17.84	\$30.35	\$20.87	\$28.74	\$39.11
17-2061	Computer Hardware Engineers	\$23.36	\$36.83	\$26.83	\$37.76	\$45.97
43-9011	Computer Operators	\$10.66	\$16.43	\$12.99	\$15.88	\$19.05
15-1021	Computer Programmers	\$20.02	\$31.18	\$23.10	\$29.90	\$39.27
15-1031	Computer Software Engineers, Applications	\$22.96	\$35.18	\$26.18	\$34.09	\$44.63
15-1032	Computer Software Engineers, Systems Software	\$26.54	\$38.16	\$30.68	\$38.24	\$45.50
15-1041	Computer Support Specialists	\$14.04	\$18.94	\$15.11	\$17.41	\$21.74
15-1051	Computer Systems Analysts	\$22.48	\$31.89	\$24.83	\$30.52	\$38.45
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$11.16	\$16.45	\$12.12	\$15.20	\$19.24
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$7.30	\$11.84	\$8.07	\$11.55	\$14.62
39-6012	Concierges	\$8.35	\$13.07	\$8.98	\$11.19	\$14.84
19-1031	Conservation Scientists	\$21.54	\$30.06	\$23.26	\$28.51	\$34.27
47-4011	Construction and Building Inspectors	\$20.52	\$26.86	\$22.39	\$25.91	\$29.34
47-0000	Construction and Extraction Occupations	\$11.07	\$18.94	\$12.93	\$18.12	\$23.85
47-2061	Construction Laborers	\$10.48	\$16.02	\$11.68	\$14.89	\$19.80
11-9021	Construction Managers	\$24.71	\$36.44	\$29.05	\$36.35	\$44.45

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-7011	Conveyor Operators and Tenders	\$8.60	\$12.44	\$9.55	\$12.55	\$14.98
35-2011	Cooks, Fast Food	\$6.75*	\$7.30	\$6.75*	\$7.32	\$8.12
35-2012	Cooks, Institution and Cafeteria	\$7.85	\$10.92	\$8.52	\$10.54	\$13.02
35-2014	Cooks, Restaurant	\$7.96	\$9.87	\$8.47	\$9.80	\$10.97
35-2015	Cooks, Short Order	\$6.75*	\$6.75*	\$6.75*	\$6.75*	\$6.75*
33-3012	Correctional Officers and Jailers	\$19.49	\$21.04	\$19.30	\$20.87	\$22.40
43-4021	Correspondence Clerks	\$10.41	\$14.02	\$11.72	\$14.18	\$16.56
13-1051	Cost Estimators	\$15.11	\$25.63	\$16.68	\$23.28	\$31.17
41-2021	Counter and Rental Clerks	\$7.36	\$10.68	\$7.82	\$9.22	\$11.76
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$7.74	\$6.75*	\$7.10	\$8.52
43-5021	Couriers and Messengers	\$7.81	\$11.19	\$8.31	\$10.58	\$12.86
53-7021	Crane and Tower Operators	\$18.04	\$23.29	\$20.16	\$24.07	\$27.06
13-2041	Credit Analysts	\$15.35	\$22.71	\$17.49	\$21.99	\$27.12
43-4041	Credit Authorizers, Checkers, and Clerks	\$10.11	\$15.89	\$11.83	\$14.26	\$18.00
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$7.83	\$10.26	\$8.02	\$8.91	\$11.64
43-4051	Customer Service Representatives	\$9.53	\$14.12	\$10.60	\$13.17	\$16.80
51-9031	Cutters and Trimmers, Hand	\$7.43	\$9.73	\$7.49	\$8.27	\$10.55
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$6.77	\$10.06	\$7.25	\$8.56	\$11.88
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.09	\$11.38	\$8.76	\$10.49	\$13.38

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-9021	Data Entry Keyers	\$9.28	\$12.03	\$9.82	\$11.44	\$13.73
15-1061	Database Administrators	\$17.26	\$29.18	\$20.20	\$26.08	\$36.30
41-9011	Demonstrators and Product Promoters	\$7.88	\$11.98	\$7.79	\$8.58	\$10.75
31-9091	Dental Assistants	\$12.45	\$16.77	\$13.69	\$17.14	\$20.18
29-2021	Dental Hygienists	\$37.02	\$39.22	\$38.21	\$40.83	\$43.46
51-9081	Dental Laboratory Technicians	\$9.38	\$12.71	\$9.79	\$11.40	\$13.65
43-9031	Desktop Publishers	\$7.86	\$15.66	\$8.37	\$15.25	\$20.49
33-3021	Detectives and Criminal Investigators	\$23.20	\$30.31	\$26.00	\$30.71	\$34.87
29-2032	Diagnostic Medical Sonographers	\$21.20	\$26.75	\$22.86	\$26.04	\$30.56
29-2051	Dietetic Technicians	\$6.86	\$10.04	\$7.16	\$8.45	\$12.18
29-1031	Dietitians and Nutritionists	\$17.16	\$22.99	\$19.45	\$23.75	\$26.81
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$7.66	\$6.77	\$7.54	\$8.49
21-2021	Directors, Religious Activities and Education	\$7.24	\$12.56	\$8.19	\$12.13	\$16.12
35-9021	Dishwashers	\$6.75*	\$7.61	\$6.77	\$7.59	\$8.45
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$8.73	\$13.51	\$9.41	\$12.13	\$15.97
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$7.73	\$12.55	\$8.85	\$11.04	\$14.82
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.64	\$11.73	\$9.28	\$10.72	\$14.05
53-3031	Driver/Sales Workers	\$6.89	\$11.63	\$7.37	\$9.41	\$15.74
47-2081	Drywall and Ceiling Tile Installers	\$11.20	\$17.84	\$12.87	\$18.72	\$21.76

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-5021	Earth Drillers, Except Oil and Gas	\$12.82	\$17.68	\$15.50	\$19.31	\$20.97
25-1063	Economics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-3011	Economists	\$22.97	\$30.69	\$25.01	\$29.28	\$38.61
27-3041	Editors	\$12.13	\$25.20	\$14.03	\$20.31	\$29.65
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$15.74	\$30.61	\$17.41	\$28.75	\$42.88
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$10.26	\$20.27	\$10.77	\$13.04	\$35.54
25-0000	Education, Training, and Library Occupations	\$10.05	\$20.42	\$12.35	\$18.59	\$27.46
25-9199	Education, Training, and Library Workers, All Other	\$8.69	\$13.83	\$9.98	\$12.59	\$17.09
21-1012	Educational, Vocational, and School Counselors	\$9.42	\$22.01	\$10.58	\$23.99	\$31.44
49-2092	Electric Motor, Power Tool, and Related Repairers	\$12.90	\$17.81	\$14.54	\$17.15	\$21.00
17-3023	Electrical and Electronic Engineering Technicians	\$14.17	\$21.24	\$15.95	\$20.34	\$26.34
51-2022	Electrical and Electronic Equipment Assemblers	\$8.58	\$11.81	\$9.27	\$10.64	\$12.89
17-3012	Electrical and Electronics Drafters	\$13.62	\$22.34	\$15.47	\$21.14	\$27.80
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$14.97	\$20.60	\$17.43	\$22.06	\$24.99
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$12.48	\$18.14	\$12.85	\$15.99	\$23.11
17-2071	Electrical Engineers	\$15.50	\$30.99	\$19.57	\$31.20	\$41.58
47-2111	Electricians	\$13.61	\$20.72	\$15.29	\$19.74	\$26.74
51-2023	Electromechanical Equipment Assemblers	\$7.99	\$11.20	\$8.52	\$10.42	\$12.85
17-3024	Electro-Mechanical Technicians	\$13.29	\$18.04	\$15.13	\$18.21	\$20.96

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$9.83	\$15.81	\$10.75	\$13.08	\$21.70
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$8.78	\$14.34	\$10.09	\$14.14	\$16.80
17-2072	Electronics Engineers, Except Computer	\$27.21	\$37.00	\$30.37	\$37.10	\$43.81
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
39-4011	Embalmers	\$13.08	\$16.95	\$13.90	\$17.91	\$19.99
13-1061	Emergency Management Specialists	\$21.99	\$29.69	\$24.21	\$27.40	\$38.38
29-2041	Emergency Medical Technicians and Paramedics	\$8.96	\$14.76	\$9.76	\$12.62	\$17.97
13-1071	Employment, Recruitment, and Placement Specialists	\$15.70	\$25.52	\$18.00	\$22.82	\$33.93
51-2031	Engine and Other Machine Assemblers	\$9.89	\$13.39	\$11.33	\$13.40	\$15.95
11-9041	Engineering Managers	\$33.85	\$47.25	\$39.18	\$47.02	\$57.40
25-1032	Engineering Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
17-2199	Engineers, All Other	\$23.93	\$35.74	\$27.67	\$35.62	\$43.65
25-1123	English Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$10.91	\$17.86	\$12.09	\$16.93	\$21.38
17-2081	Environmental Engineers	\$24.64	\$31.31	\$26.79	\$31.24	\$35.27
19-4091	Environmental Science and Protection Technicians, Including Health	\$12.94	\$18.17	\$14.63	\$18.94	\$21.62
19-2041	Environmental Scientists and Specialists, Including Health	\$21.32	\$27.32	\$23.71	\$26.68	\$30.10
51-9194	Etchers and Engravers	\$8.38	\$10.72	\$9.14	\$10.91	\$12.55
53-7032	Excavating and Loading Machine and Dragline Operators	\$13.89	\$23.07	\$16.31	\$23.96	\$29.53

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-6011	Executive Secretaries and Administrative Assistants	\$12.50	\$17.96	\$14.16	\$17.55	\$21.76
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.58	\$11.94	\$9.28	\$11.89	\$13.91
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$7.95	\$10.73	\$8.43	\$9.68	\$11.24
51-6092	Fabric and Apparel Patternmakers	\$6.75*	\$8.80	\$6.75*	\$8.28	\$10.37
29-1062	Family and General Practitioners	\$37.10	\$49.54	\$40.78	\$48.91	\$59.54
49-3041	Farm Equipment Mechanics	\$11.26	\$15.77	\$13.21	\$16.12	\$19.10
11-9011	Farm, Ranch, and Other Agricultural Managers	\$14.18	\$23.92	\$14.54	\$22.73	\$32.89
45-0000	Farming, Fishing, and Forestry Occupations	\$6.75*	\$9.58	\$7.02	\$8.45	\$10.50
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$7.06	\$11.55	\$7.32	\$10.26	\$14.80
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$7.09	\$8.71	\$7.35	\$8.44	\$9.88
45-2093	Farmworkers, Farm and Ranch Animals	\$6.75*	\$8.56	\$7.03	\$8.22	\$9.25
27-1022	Fashion Designers	\$12.67	\$24.72	\$13.66	\$19.81	\$29.21
51-2091	Fiberglass Laminators and Fabricators	\$12.57	\$16.89	\$15.01	\$17.10	\$19.95
43-4071	File Clerks	\$7.63	\$10.00	\$7.87	\$9.15	\$11.97
27-4032	Film and Video Editors	\$8.89	\$16.09	\$10.20	\$13.43	\$19.42
13-2051	Financial Analysts	\$19.77	\$31.24	\$22.22	\$27.08	\$34.96
13-2061	Financial Examiners	\$13.91	\$26.64	\$17.50	\$26.50	\$34.55
11-3031	Financial Managers	\$23.51	\$39.27	\$27.25	\$37.56	\$48.16
13-2099	Financial Specialists, All Other	\$14.51	\$22.66	\$16.08	\$20.28	\$28.28

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-2011	Fire Fighters	\$16.20	\$22.42	\$18.22	\$24.06	\$27.02
33-2021	Fire Inspectors and Investigators	\$22.56	\$25.57	\$23.61	\$25.78	\$27.97
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$22.23	\$29.77	\$24.68	\$29.62	\$34.64
33-1011	First-Line Supervisors/Managers of Correctional Officers	\$20.12	\$26.01	\$20.60	\$23.94	\$31.59
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$12.60	\$20.89	\$13.85	\$19.92	\$27.22
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$24.72	\$36.16	\$27.02	\$39.63	\$44.36
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$8.40	\$12.63	\$8.89	\$11.63	\$15.78
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$12.89	\$18.70	\$14.09	\$18.00	\$21.95
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$9.29	\$14.77	\$10.30	\$14.37	\$18.63
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$12.40	\$18.81	\$13.82	\$18.68	\$22.16
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$17.75	\$26.83	\$20.80	\$26.72	\$32.64
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$14.62	\$28.21	\$15.81	\$22.33	\$38.07
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$12.37	\$20.03	\$14.94	\$18.74	\$24.53
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$11.92	\$16.41	\$13.94	\$15.91	\$18.91
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$32.43	\$39.06	\$34.97	\$40.37	\$44.29
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.30	\$23.23	\$15.79	\$21.99	\$28.70
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.73	\$18.34	\$12.15	\$16.45	\$21.32
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$11.33	\$20.03	\$13.68	\$19.74	\$26.44

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-3031	Fish and Game Wardens	\$22.39	\$25.92	\$23.15	\$25.89	\$29.49
39-9031	Fitness Trainers and Aerobics Instructors	\$6.75*	\$12.42	\$6.75*	\$9.00	\$16.02
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$12.75	\$18.31	\$14.34	\$17.11	\$20.88
27-1023	Floral Designers	\$7.61	\$10.92	\$8.95	\$10.57	\$12.74
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$7.28	\$10.52	\$7.54	\$9.33	\$11.42
51-3092	Food Batchmakers	\$6.88	\$8.59	\$7.04	\$7.84	\$10.09
51-3093	Food Cooking Machine Operators and Tenders	\$7.33	\$10.66	\$7.94	\$9.56	\$11.74
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.75*	\$9.86	\$6.78	\$7.71	\$13.13
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$8.11	\$6.75*	\$7.27	\$8.67
35-2021	Food Preparation Workers	\$6.75*	\$8.44	\$7.06	\$8.13	\$9.55
35-3041	Food Servers, Nonrestaurant	\$6.75*	\$7.51	\$6.75*	\$7.22	\$8.11
11-9051	Food Service Managers	\$15.22	\$20.06	\$15.60	\$17.46	\$22.37
25-1124	Foreign Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-4093	Forest and Conservation Technicians	\$12.53	\$16.88	\$13.40	\$16.30	\$19.80
45-4011	Forest and Conservation Workers	\$6.75*	\$8.53	\$6.75*	\$8.75	\$10.32
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.27	\$11.82	\$9.14	\$11.74	\$14.10
51-4071	Foundry Mold and Coremakers	\$9.38	\$11.91	\$11.23	\$12.52	\$13.61
39-4021	Funeral Attendants	\$7.46	\$10.16	\$8.60	\$10.33	\$12.25
11-9061	Funeral Directors	\$10.67	\$20.14	\$12.42	\$20.31	\$26.33
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$8.71	\$10.98	\$9.12	\$10.32	\$12.37

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-7021	Furniture Finishers	\$7.54	\$12.03	\$7.96	\$9.91	\$14.85
11-1021	General and Operations Managers	\$22.59	\$42.96	\$26.89	\$39.38	\$59.61
25-1064	Geography Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-2042	Geoscientists, Except Hydrologists and Geographers	\$16.96	\$28.89	\$20.67	\$27.90	\$35.01
47-2121	Glaziers	\$12.13	\$19.85	\$13.89	\$18.36	\$25.87
45-2041	Graders and Sorters, Agricultural Products	\$6.75*	\$8.01	\$6.75*	\$7.59	\$9.62
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$11.89	\$18.74	\$13.54	\$17.82	\$22.67
51-9022	Grinding and Polishing Workers, Hand	\$7.73	\$11.11	\$8.23	\$9.84	\$12.26
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$8.59	\$11.89	\$9.32	\$11.47	\$14.17
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.45	\$10.44	\$7.74	\$8.81	\$12.55
47-4041	Hazardous Materials Removal Workers	\$13.92	\$19.26	\$15.90	\$19.18	\$21.98
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$18.61	\$26.12	\$20.96	\$26.20	\$31.58
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$10.83	\$19.95	\$11.15	\$18.73	\$25.95
21-1091	Health Educators	\$13.56	\$21.26	\$15.13	\$20.19	\$27.57
25-1071	Health Specialties Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-0000	Healthcare Practitioners and Technical Occupations	\$13.67	\$27.19	\$16.25	\$23.67	\$33.80
31-0000	Healthcare Support Occupations	\$8.61	\$12.20	\$9.27	\$11.50	\$14.19
31-9099	Healthcare Support Workers, All Other	\$9.71	\$13.27	\$10.99	\$12.97	\$15.29

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$11.32	\$14.85	\$12.49	\$15.03	\$17.12
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$12.77	\$18.63	\$14.99	\$18.89	\$22.32
47-3019	Helpers, Construction Trades, All Other	\$7.83	\$12.71	\$9.12	\$11.36	\$16.81
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$10.23	\$12.24	\$11.72	\$12.80	\$13.79
47-3012	Helpers--Carpenters	\$9.35	\$12.67	\$10.17	\$12.15	\$14.20
47-3013	Helpers--Electricians	\$9.44	\$11.51	\$9.52	\$10.55	\$13.11
47-5081	Helpers--Extraction Workers	\$10.88	\$12.37	\$11.86	\$12.74	\$13.62
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$7.39	\$10.73	\$7.66	\$9.44	\$13.46
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$7.98	\$10.14	\$8.52	\$10.04	\$11.43
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$8.73	\$11.55	\$9.54	\$10.78	\$13.70
51-9198	Helpers--Production Workers	\$6.75*	\$8.33	\$6.99	\$7.93	\$9.25
47-3016	Helpers--Roofers	\$8.10	\$10.87	\$8.68	\$11.36	\$13.10
47-4051	Highway Maintenance Workers	\$12.11	\$16.84	\$12.96	\$17.52	\$20.28
25-1125	History Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
49-9031	Home Appliance Repairers	\$10.80	\$16.18	\$12.07	\$15.42	\$20.04
31-1011	Home Health Aides	\$8.00	\$10.14	\$8.36	\$9.81	\$11.85
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.97	\$8.09	\$7.22	\$7.95	\$8.70
43-4081	Hotel, Motel, and Resort Desk Clerks	\$7.86	\$9.90	\$8.74	\$10.02	\$11.26
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$11.81	\$15.76	\$13.01	\$15.46	\$18.00

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-3040	Human Resources Managers	\$20.95	\$32.33	\$23.39	\$31.26	\$38.76
19-2043	Hydrologists	\$24.17	\$35.92	\$27.10	\$34.27	\$42.01
17-3026	Industrial Engineering Technicians	\$14.40	\$21.02	\$16.17	\$19.82	\$25.63
17-2112	Industrial Engineers	\$20.68	\$29.70	\$23.76	\$29.48	\$35.58
49-9041	Industrial Machinery Mechanics	\$13.35	\$18.66	\$14.79	\$18.68	\$21.96
11-3051	Industrial Production Managers	\$21.36	\$35.22	\$25.24	\$33.49	\$45.10
53-7051	Industrial Truck and Tractor Operators	\$9.17	\$14.27	\$9.96	\$12.94	\$18.21
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$9.08	\$14.65	\$10.42	\$13.56	\$17.82
49-0000	Installation, Maintenance, and Repair Occupations	\$10.31	\$18.10	\$12.08	\$17.36	\$23.07
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$11.21	\$18.48	\$13.00	\$17.36	\$22.21
25-9031	Instructional Coordinators	\$15.85	\$25.19	\$18.19	\$21.76	\$32.24
47-2130	Insulation Workers	\$11.68	\$18.07	\$13.36	\$17.26	\$21.75
43-9041	Insurance Claims and Policy Processing Clerks	\$10.68	\$16.02	\$11.55	\$13.59	\$17.14
41-3021	Insurance Sales Agents	\$12.17	\$24.46	\$13.67	\$22.71	\$26.97
13-2053	Insurance Underwriters	\$15.05	\$25.13	\$17.60	\$22.67	\$32.35
27-1025	Interior Designers	\$15.58	\$24.55	\$17.48	\$22.70	\$30.88
27-3091	Interpreters and Translators	\$10.69	\$16.96	\$12.15	\$15.22	\$21.13
43-4111	Interviewers, Except Eligibility and Loan	\$7.73	\$12.45	\$8.25	\$10.37	\$15.52
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$7.12	\$9.52	\$7.42	\$8.52	\$10.77
51-9071	Jewelers and Precious Stone and Metal Workers	\$6.75*	\$12.31	\$7.07	\$9.98	\$16.18

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-5021	Job Printers	\$11.43	\$16.48	\$12.93	\$17.67	\$19.89
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$6.96	\$9.81	\$7.39	\$9.04	\$11.29
17-1012	Landscape Architects	\$20.43	\$28.03	\$23.27	\$29.06	\$33.38
37-3011	Landscaping and Groundskeeping Workers	\$7.20	\$9.82	\$7.51	\$8.75	\$10.87
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.20	\$13.60	\$9.73	\$13.34	\$16.80
51-6011	Laundry and Dry-Cleaning Workers	\$7.27	\$8.71	\$7.40	\$8.11	\$8.92
23-2092	Law Clerks	\$14.53	\$20.69	\$16.10	\$19.01	\$21.13
23-1011	Lawyers	\$31.51	\$47.28	\$37.14	\$46.58	\$58.46
51-4192	Lay-Out Workers, Metal and Plastic	\$10.11	\$14.50	\$11.55	\$14.34	\$16.83
23-0000	Legal Occupations	\$19.28	\$38.57	\$23.31	\$37.06	\$53.42
43-6012	Legal Secretaries	\$15.24	\$18.60	\$15.39	\$17.07	\$21.95
11-1031	Legislators	\$15.79	\$24.52	\$17.30	\$21.53	\$26.43
25-4021	Librarians	\$17.69	\$24.03	\$19.92	\$23.45	\$28.52
43-4121	Library Assistants, Clerical	\$8.72	\$12.34	\$9.44	\$11.89	\$14.72
25-1082	Library Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-4031	Library Technicians	\$9.84	\$13.70	\$10.62	\$13.48	\$16.71
29-2061	Licensed Practical and Licensed Vocational Nurses	\$13.32	\$16.46	\$14.08	\$15.63	\$17.22
19-0000	Life, Physical, and Social Science Occupations	\$14.34	\$26.31	\$16.83	\$23.51	\$32.95
13-2071	Loan Counselors	\$12.69	\$17.74	\$13.63	\$16.92	\$20.92

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4131	Loan Interviewers and Clerks	\$10.41	\$15.06	\$11.83	\$14.89	\$18.56
13-2072	Loan Officers	\$17.31	\$24.53	\$19.53	\$22.77	\$28.66
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$6.75*	\$8.39	\$7.10	\$7.99	\$9.15
49-9094	Locksmiths and Safe Repairers	\$10.24	\$16.53	\$11.36	\$17.09	\$20.29
11-9081	Lodging Managers	\$15.93	\$27.56	\$17.21	\$25.57	\$38.21
53-7063	Machine Feeders and Offbearers	\$7.43	\$8.38	\$7.47	\$8.12	\$8.82
51-4041	Machinists	\$9.59	\$16.01	\$10.36	\$14.24	\$19.58
37-2012	Maids and Housekeeping Cleaners	\$7.10	\$8.47	\$7.39	\$8.33	\$9.47
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.88	\$9.90	\$8.09	\$9.10	\$11.24
49-9042	Maintenance and Repair Workers, General	\$8.97	\$14.63	\$10.09	\$13.49	\$18.27
49-9043	Maintenance Workers, Machinery	\$9.80	\$15.91	\$11.75	\$16.60	\$20.46
13-1111	Management Analysts	\$16.13	\$26.27	\$19.38	\$25.70	\$32.77
11-0000	Management Occupations	\$20.60	\$39.29	\$25.30	\$36.93	\$52.52
11-9199	Managers, All Other	\$23.66	\$38.84	\$27.83	\$37.32	\$49.32
39-5092	Manicurists and Pedicurists	\$7.72	\$8.04	\$7.51	\$8.04	\$8.58
49-9095	Manufactured Building and Mobile Home Installers	\$8.62	\$9.71	\$9.04	\$9.85	\$10.66
17-2121	Marine Engineers and Naval Architects	\$21.20	\$26.23	\$22.84	\$25.85	\$30.23
19-3021	Market Research Analysts	\$18.13	\$30.45	\$20.59	\$26.55	\$36.17
11-2021	Marketing Managers	\$24.16	\$41.63	\$28.73	\$39.41	\$55.30
21-1013	Marriage and Family Therapists	\$11.47	\$16.86	\$12.90	\$17.28	\$20.64

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
31-9011	Massage Therapists	\$9.64	\$15.12	\$11.63	\$14.93	\$18.17
53-7199	Material Moving Workers, All Other	\$6.91	\$12.34	\$7.09	\$8.98	\$17.62
17-2131	Materials Engineers	\$23.62	\$31.83	\$25.39	\$29.97	\$36.07
19-2032	Materials Scientists	\$19.69	\$28.62	\$21.34	\$26.10	\$35.58
25-1022	Mathematical Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-2021	Mathematicians	\$31.95	\$39.12	\$35.67	\$39.69	\$43.81
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$7.58	\$10.03	\$8.27	\$9.84	\$11.68
17-3013	Mechanical Drafters	\$14.64	\$21.74	\$16.35	\$20.19	\$25.93
17-3027	Mechanical Engineering Technicians	\$14.56	\$21.32	\$15.82	\$21.37	\$26.62
17-2141	Mechanical Engineers	\$24.17	\$32.82	\$27.46	\$32.83	\$39.33
27-4099	Media and Communication Equipment Workers, All Other	\$11.68	\$21.82	\$13.27	\$20.25	\$28.65
29-2012	Medical and Clinical Laboratory Technicians	\$10.10	\$15.33	\$11.15	\$14.65	\$19.05
29-2011	Medical and Clinical Laboratory Technologists	\$20.51	\$30.51	\$22.56	\$27.12	\$39.79
11-9111	Medical and Health Services Managers	\$24.69	\$36.27	\$28.73	\$33.52	\$42.42
21-1022	Medical and Public Health Social Workers	\$13.79	\$20.96	\$16.36	\$20.42	\$24.30
51-9082	Medical Appliance Technicians	\$8.89	\$11.69	\$9.25	\$10.53	\$13.95
31-9092	Medical Assistants	\$9.48	\$12.44	\$10.23	\$12.20	\$14.58
49-9062	Medical Equipment Repairers	\$17.55	\$22.77	\$18.78	\$20.95	\$26.65
29-2071	Medical Records and Health Information Technicians	\$8.85	\$12.91	\$9.65	\$12.34	\$15.60
19-1042	Medical Scientists, Except Epidemiologists	\$19.78	\$34.43	\$23.81	\$32.40	\$42.32

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-6013	Medical Secretaries	\$9.92	\$13.78	\$10.71	\$13.21	\$16.84
31-9094	Medical Transcriptionists	\$11.14	\$14.89	\$12.42	\$15.03	\$17.09
13-1121	Meeting and Convention Planners	\$13.99	\$20.27	\$15.50	\$19.59	\$23.72
21-1014	Mental Health Counselors	\$10.03	\$15.21	\$10.70	\$13.97	\$19.12
27-1026	Merchandise Displayers and Window Trimmers	\$9.36	\$11.74	\$9.89	\$11.37	\$13.28
51-4199	Metal Workers and Plastic Workers, All Other	\$7.75	\$9.73	\$7.67	\$8.40	\$9.87
19-1022	Microbiologists	\$16.37	\$24.48	\$17.88	\$22.58	\$30.20
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.20	\$11.98	\$8.58	\$11.02	\$14.30
49-9044	Millwrights	\$14.02	\$24.03	\$16.13	\$20.34	\$31.32
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$10.00	\$13.65	\$10.95	\$12.96	\$15.87
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$16.67	\$20.63	\$18.51	\$20.74	\$22.93
51-4061	Model Makers, Metal and Plastic	\$20.51	\$27.26	\$22.68	\$26.97	\$33.13
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.13	\$11.30	\$7.55	\$9.40	\$12.33
39-3021	Motion Picture Projectionists	\$6.75*	\$7.55	\$6.75*	\$6.98	\$8.46
53-3099	Motor Vehicle Operators, All Other	\$7.46	\$12.34	\$8.18	\$11.03	\$16.97
49-3051	Motorboat Mechanics	\$10.98	\$20.65	\$11.91	\$16.49	\$24.84
49-3052	Motorcycle Mechanics	\$10.04	\$15.35	\$10.63	\$14.11	\$20.14
27-1014	Multi-Media Artists and Animators	\$17.73	\$27.89	\$21.06	\$27.49	\$35.38

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.10	\$11.84	\$8.38	\$9.74	\$12.28
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$31.03	\$46.91	\$37.18	\$45.49	\$58.73
15-1071	Network and Computer Systems Administrators	\$19.87	\$28.40	\$22.34	\$28.01	\$34.08
15-1081	Network Systems and Data Communications Analysts	\$18.56	\$26.64	\$20.86	\$25.17	\$31.45
43-4141	New Accounts Clerks	\$10.51	\$14.33	\$11.48	\$13.61	\$16.68
27-3020	News Analysts, Reporters and Correspondents	\$11.59	\$26.36	\$14.89	\$27.19	\$33.32
39-2021	Nonfarm Animal Caretakers	\$7.07	\$9.43	\$7.39	\$8.43	\$10.53
29-2033	Nuclear Medicine Technologists	\$22.96	\$27.65	\$24.33	\$27.33	\$31.55
51-4012	Numerical Tool and Process Control Programmers	\$13.45	\$21.21	\$16.23	\$20.71	\$26.08
31-1012	Nursing Aides, Orderlies, and Attendants	\$8.06	\$10.23	\$8.57	\$10.00	\$11.87
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-9010	Occupational Health and Safety Specialists and Technicians	\$17.80	\$26.12	\$20.46	\$25.73	\$31.97
31-2012	Occupational Therapist Aides	\$8.12	\$14.32	\$8.52	\$11.10	\$22.46
31-2011	Occupational Therapist Assistants	\$15.63	\$20.60	\$18.05	\$20.72	\$23.94
29-1122	Occupational Therapists	\$24.35	\$31.06	\$27.39	\$31.31	\$34.59
43-0000	Office and Administrative Support Occupations	\$8.96	\$14.07	\$10.14	\$13.21	\$17.10
43-9061	Office Clerks, General	\$8.52	\$12.07	\$9.42	\$11.72	\$14.35
43-9071	Office Machine Operators, Except Computer	\$8.75	\$12.47	\$9.28	\$11.92	\$14.23

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2073	Operating Engineers and Other Construction Equipment Operators	\$18.49	\$25.25	\$20.15	\$25.20	\$31.25
15-2031	Operations Research Analysts	\$20.43	\$30.36	\$22.89	\$28.78	\$37.07
51-9083	Ophthalmic Laboratory Technicians	\$7.86	\$10.31	\$8.20	\$9.64	\$11.87
29-2081	Opticians, Dispensing	\$12.57	\$16.13	\$13.40	\$16.28	\$18.70
29-1041	Optometrists	\$31.85	\$36.77	\$32.81	\$36.41	\$41.31
43-4151	Order Clerks	\$9.09	\$13.41	\$10.16	\$12.59	\$15.88
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$11.53	\$13.81	\$12.04	\$13.55	\$15.67
51-9111	Packaging and Filling Machine Operators and Tenders	\$7.36	\$10.46	\$7.74	\$9.17	\$12.26
53-7064	Packers and Packagers, Hand	\$6.75*	\$8.01	\$6.75*	\$7.63	\$8.74
47-2141	Painters, Construction and Maintenance	\$10.21	\$15.37	\$11.34	\$14.64	\$18.31
51-9122	Painters, Transportation Equipment	\$10.05	\$17.82	\$11.07	\$15.24	\$21.52
51-9123	Painting, Coating, and Decorating Workers	\$7.18	\$10.43	\$7.89	\$9.87	\$12.50
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$9.03	\$14.43	\$9.98	\$13.44	\$18.11
47-2142	Paperhangers	\$19.97	\$22.62	\$20.22	\$22.63	\$25.61
23-2011	Paralegals and Legal Assistants	\$15.59	\$22.53	\$18.25	\$21.59	\$27.94
33-3041	Parking Enforcement Workers	\$14.44	\$16.46	\$15.35	\$16.66	\$17.96
41-2022	Parts Salespersons	\$7.97	\$13.50	\$8.73	\$11.28	\$16.93
51-4062	Patternmakers, Metal and Plastic	\$8.58	\$14.68	\$9.62	\$13.92	\$18.33
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$14.05	\$21.12	\$15.75	\$20.55	\$25.99
43-3051	Payroll and Timekeeping Clerks	\$11.93	\$15.68	\$13.12	\$15.56	\$18.03

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1065	Pediatricians, General	\$45.18	\$51.34	\$46.62	\$51.14	\$55.58
39-9021	Personal and Home Care Aides	\$6.75*	\$8.44	\$6.92	\$7.71	\$9.15
39-0000	Personal Care and Service Occupations	\$6.88	\$10.13	\$7.29	\$8.65	\$11.73
39-9099	Personal Care and Service Workers, All Other	\$8.64	\$12.83	\$9.82	\$13.16	\$15.80
13-2052	Personal Financial Advisors	\$21.27	\$39.96	\$24.65	\$33.28	\$55.80
37-2021	Pest Control Workers	\$7.86	\$9.72	\$7.85	\$8.66	\$10.27
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$8.60	\$13.16	\$9.26	\$13.42	\$16.42
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$18.19	\$19.86	\$18.37	\$19.94	\$21.45
29-1051	Pharmacists	\$26.21	\$37.27	\$33.84	\$40.08	\$44.42
31-9095	Pharmacy Aides	\$8.55	\$10.82	\$9.18	\$10.85	\$12.53
29-2052	Pharmacy Technicians	\$11.24	\$14.84	\$12.70	\$15.00	\$16.76
25-1126	Philosophy and Religion Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4021	Photographers	\$7.99	\$11.61	\$8.46	\$10.04	\$11.47
51-9131	Photographic Process Workers	\$7.85	\$11.72	\$8.21	\$9.78	\$14.61
51-9132	Photographic Processing Machine Operators	\$8.55	\$11.16	\$9.16	\$10.72	\$12.76
19-2099	Physical Scientists, All Other	\$22.51	\$39.50	\$29.59	\$43.97	\$51.99
31-2022	Physical Therapist Aides	\$9.25	\$12.11	\$9.93	\$11.49	\$13.45
31-2021	Physical Therapist Assistants	\$9.76	\$14.09	\$9.65	\$10.58	\$19.44
29-1123	Physical Therapists	\$21.02	\$30.46	\$24.25	\$31.23	\$37.04
29-1071	Physician Assistants	\$26.62	\$36.12	\$30.04	\$37.57	\$43.14

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1069	Physicians and Surgeons, All Other	\$18.72	(3)	\$20.35	\$40.87	>\$70.00
19-2012	Physicists	\$25.23	\$35.64	\$27.13	\$36.98	\$42.87
47-2072	Pile-Driver Operators	\$22.94	\$24.19	\$22.95	\$24.65	\$26.36
47-2151	Pipelayers	\$12.69	\$17.73	\$14.24	\$17.63	\$21.19
51-8099	Plant and System Operators, All Other	\$15.62	\$22.46	\$18.36	\$20.95	\$26.20
47-2161	Plasterers and Stucco Masons	\$13.33	\$19.75	\$15.05	\$18.68	\$24.21
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.86	\$11.52	\$9.31	\$10.48	\$12.21
47-2152	Plumbers, Pipefitters, and Steamfitters	\$13.99	\$20.00	\$15.99	\$19.41	\$23.04
33-3051	Police and Sheriff's Patrol Officers	\$21.08	\$27.84	\$23.46	\$28.73	\$33.43
43-5031	Police, Fire, and Ambulance Dispatchers	\$16.33	\$19.91	\$18.76	\$20.68	\$22.50
25-1065	Political Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
51-4052	Pourers and Casters, Metal	\$9.72	\$11.86	\$9.97	\$11.64	\$13.22
49-9069	Precision Instrument and Equipment Repairers, All Other	\$19.18	\$23.82	\$19.63	\$22.48	\$28.59
51-5022	Prepress Technicians and Workers	\$8.11	\$13.68	\$8.59	\$12.39	\$18.07
25-2011	Preschool Teachers, Except Special Education	\$7.90	\$10.16	\$8.46	\$9.79	\$11.21
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.75*	\$8.11	\$7.08	\$7.94	\$8.84
51-5023	Printing Machine Operators	\$7.42	\$12.88	\$8.09	\$11.51	\$16.81
33-9021	Private Detectives and Investigators	\$12.75	\$19.85	\$14.76	\$20.85	\$23.86
43-3061	Procurement Clerks	\$12.33	\$15.92	\$13.84	\$15.98	\$18.14
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-0000	Production Occupations	\$7.71	\$12.80	\$8.44	\$10.78	\$15.21
51-9199	Production Workers, All Other	\$7.54	\$10.09	\$7.94	\$9.37	\$10.98
43-5061	Production, Planning, and Expediting Clerks	\$10.63	\$17.29	\$12.35	\$16.38	\$21.08
43-9081	Proofreaders and Copy Markers	\$9.27	\$11.78	\$9.78	\$11.09	\$13.37
11-9141	Property, Real Estate, and Community Association Managers	\$10.29	\$27.32	\$12.58	\$19.18	\$47.86
33-0000	Protective Service Occupations	\$8.38	\$19.40	\$9.36	\$19.02	\$27.32
29-2053	Psychiatric Technicians	\$14.21	\$18.22	\$15.60	\$19.04	\$20.92
29-1066	Psychiatrists	\$35.79	\$54.12	\$42.01	\$58.46	\$64.73
25-1066	Psychology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
11-2031	Public Relations Managers	\$20.94	\$32.11	\$25.25	\$31.16	\$39.40
27-3031	Public Relations Specialists	\$16.27	\$25.47	\$18.50	\$23.36	\$29.41
53-7072	Pump Operators, Except Wellhead Pumpers	\$14.05	\$20.29	\$16.12	\$22.29	\$25.11
13-1021	Purchasing Agents and Buyers, Farm Products	\$18.68	\$23.66	\$19.34	\$21.35	\$24.78
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$15.22	\$24.01	\$17.23	\$22.89	\$28.84
11-3061	Purchasing Managers	\$20.84	\$33.93	\$24.39	\$33.08	\$42.47
29-1124	Radiation Therapists	\$26.58	\$33.72	\$28.45	\$32.63	\$38.98
29-2034	Radiologic Technologists and Technicians	\$15.49	\$20.37	\$16.90	\$20.14	\$23.98
41-9021	Real Estate Brokers	\$11.51	\$36.05	\$13.61	\$29.34	\$58.57
41-9022	Real Estate Sales Agents	\$7.41	\$14.72	\$7.92	\$12.02	\$17.16
43-4171	Receptionists and Information Clerks	\$8.28	\$12.06	\$8.96	\$11.11	\$13.90

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
39-9032	Recreation Workers	\$7.12	\$9.03	\$7.46	\$8.44	\$9.98
29-1125	Recreational Therapists	\$8.37	\$14.20	\$9.33	\$13.73	\$18.58
49-3092	Recreational Vehicle Service Technicians	\$10.18	\$17.92	\$11.39	\$15.37	\$23.45
53-7081	Refuse and Recyclable Material Collectors	\$8.43	\$15.56	\$10.29	\$16.05	\$21.23
29-1111	Registered Nurses	\$20.91	\$26.52	\$22.59	\$26.17	\$30.25
21-1015	Rehabilitation Counselors	\$9.67	\$15.01	\$11.14	\$14.29	\$18.39
47-2171	Reinforcing Iron and Rebar Workers	\$14.40	\$21.71	\$16.61	\$23.21	\$26.77
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$9.44	\$14.74	\$10.58	\$13.30	\$19.71
39-9041	Residential Advisors	\$8.44	\$15.08	\$9.12	\$14.28	\$16.72
29-1126	Respiratory Therapists	\$18.08	\$21.56	\$18.72	\$20.92	\$24.10
41-2031	Retail Salespersons	\$7.13	\$11.16	\$7.51	\$8.78	\$12.27
49-9096	Riggers	\$12.17	\$16.59	\$13.37	\$16.54	\$19.68
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.88	\$10.28	\$7.56	\$9.21	\$11.68
47-2181	Roofers	\$12.61	\$18.69	\$14.84	\$18.99	\$21.58
41-0000	Sales and Related Occupations	\$7.28	\$15.07	\$7.92	\$10.71	\$18.35
41-9031	Sales Engineers	\$19.21	\$27.76	\$21.33	\$26.30	\$32.37
11-2022	Sales Managers	\$22.30	\$39.78	\$26.44	\$38.24	\$51.98
41-3099	Sales Representatives, Services, All Other	\$12.66	\$25.02	\$15.47	\$21.44	\$31.68
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Produc	\$13.38	\$24.20	\$15.88	\$21.41	\$29.25

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$14.28	\$28.32	\$17.98	\$27.20	\$38.12
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$7.09	\$10.66	\$7.62	\$10.07	\$12.49
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$9.28	\$13.78	\$10.70	\$13.49	\$16.71
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$16.95	\$32.63	\$19.59	\$26.07	\$40.52
49-2098	Security and Fire Alarm Systems Installers	\$12.08	\$17.78	\$13.03	\$15.69	\$22.70
33-9032	Security Guards	\$7.36	\$9.30	\$7.57	\$8.70	\$10.28
25-3021	Self-Enrichment Education Teachers	\$9.82	\$17.03	\$10.80	\$16.07	\$20.77
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$10.32	\$15.98	\$11.94	\$18.01	\$20.02
53-6031	Service Station Attendants	\$6.75*	\$8.66	\$6.83	\$7.70	\$9.28
27-1027	Set and Exhibit Designers	\$9.61	\$16.15	\$10.68	\$14.72	\$19.42
51-6031	Sewing Machine Operators	\$6.75*	\$8.07	\$6.75*	\$7.59	\$9.11
47-2211	Sheet Metal Workers	\$13.07	\$18.61	\$15.07	\$18.41	\$21.82
53-5031	Ship Engineers	\$10.29	\$16.95	\$10.83	\$14.69	\$19.83
43-5071	Shipping, Receiving, and Traffic Clerks	\$8.17	\$11.74	\$8.89	\$10.97	\$14.20
51-6041	Shoe and Leather Workers and Repairers	\$6.75*	\$7.86	\$6.75*	\$7.53	\$8.66
39-5094	Skin Care Specialists	\$11.17	\$16.47	\$13.64	\$18.13	\$19.98
11-9151	Social and Community Service Managers	\$14.82	\$23.70	\$16.31	\$21.00	\$27.03
21-1093	Social and Human Service Assistants	\$8.31	\$11.86	\$9.33	\$10.90	\$13.72

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-1113	Social Work Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$21.99	\$28.47	\$24.61	\$29.14	\$33.13
51-8021	Stationary Engineers and Boiler Operators	\$17.35	\$23.27	\$19.09	\$23.01	\$27.70
43-9111	Statistical Assistants	\$13.73	\$18.16	\$15.17	\$17.56	\$21.45
15-2041	Statisticians	\$17.71	\$29.56	\$20.05	\$27.44	\$37.51
43-5081	Stock Clerks and Order Fillers	\$7.32	\$11.03	\$7.91	\$10.09	\$13.30
47-2022	Stonemasons	\$15.01	\$17.72	\$15.46	\$17.44	\$20.30
47-2221	Structural Iron and Steel Workers	\$16.84	\$24.16	\$19.69	\$24.82	\$28.70
51-2041	Structural Metal Fabricators and Fitters	\$8.96	\$13.79	\$10.08	\$14.40	\$16.81
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$7.67	\$11.38	\$7.84	\$10.34	\$14.88
29-1067	Surgeons	\$63.96	(3)	>\$70.00	>\$70.00	>\$70.00
29-2055	Surgical Technologists	\$14.12	\$17.80	\$15.01	\$17.34	\$20.51
17-3031	Surveying and Mapping Technicians	\$10.20	\$18.30	\$12.76	\$19.36	\$22.34
17-1022	Surveyors	\$17.42	\$26.16	\$18.99	\$27.40	\$32.53
43-2011	Switchboard Operators, Including Answering Service	\$8.06	\$10.42	\$8.49	\$9.94	\$12.00
51-6052	Tailors, Dressmakers, and Custom Sewers	\$7.39	\$12.44	\$8.44	\$11.73	\$16.35
47-2082	Tapers	\$10.58	\$16.52	\$12.51	\$17.20	\$20.64
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$20.86	\$27.78	\$23.14	\$27.80	\$32.92

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2082	Tax Preparers	\$8.47	\$12.61	\$9.06	\$11.04	\$13.39
53-3041	Taxi Drivers and Chauffeurs	\$7.25	\$9.51	\$7.43	\$8.58	\$10.73
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.25	\$10.96	\$7.62	\$9.32	\$12.25
27-3042	Technical Writers	\$19.10	\$26.14	\$20.93	\$25.55	\$31.26
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$16.83	\$21.85	\$19.14	\$22.83	\$25.87
49-9052	Telecommunications Line Installers and Repairers	\$11.93	\$20.21	\$14.00	\$23.07	\$25.79
41-9041	Telemarketers	\$7.68	\$11.39	\$8.43	\$10.18	\$13.14
43-3071	Tellers	\$8.72	\$10.42	\$9.11	\$10.25	\$11.44
47-2053	Terrazzo Workers and Finishers	\$7.97	\$13.95	\$8.44	\$13.41	\$18.01
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$7.31	\$9.60	\$7.78	\$9.18	\$10.81
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	\$6.75*	\$8.28	\$6.75*	\$8.04	\$10.03
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$7.71	\$9.56	\$7.99	\$9.20	\$11.05
47-2044	Tile and Marble Setters	\$15.38	\$22.09	\$17.47	\$23.42	\$26.57
49-3093	Tire Repairers and Changers	\$8.11	\$9.44	\$8.05	\$8.83	\$10.13
23-2093	Title Examiners, Abstractors, and Searchers	\$15.12	\$23.69	\$17.63	\$23.54	\$29.49
51-4111	Tool and Die Makers	\$16.48	\$22.08	\$19.29	\$23.37	\$26.39
51-4194	Tool Grinders, Filers, and Sharpeners	\$7.87	\$12.60	\$8.52	\$12.31	\$16.28
39-6021	Tour Guides and Escorts	\$9.01	\$12.95	\$9.54	\$11.40	\$16.67
53-6041	Traffic Technicians	\$20.24	\$25.40	\$21.06	\$23.69	\$27.62

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1073	Training and Development Specialists	\$15.37	\$23.88	\$18.04	\$22.54	\$30.37
33-3052	Transit and Railroad Police	\$10.12	\$11.67	\$9.86	\$10.69	\$12.30
53-0000	Transportation and Material Moving Occupations	\$7.12	\$12.03	\$7.63	\$10.06	\$15.01
53-6051	Transportation Inspectors	\$20.82	\$28.17	\$23.22	\$26.53	\$34.58
53-6099	Transportation Workers, All Other	\$10.20	\$20.87	\$12.26	\$22.47	\$27.63
11-3071	Transportation, Storage, and Distribution Managers	\$18.68	\$29.93	\$21.41	\$28.69	\$36.66
41-3041	Travel Agents	\$9.19	\$12.56	\$9.85	\$11.81	\$14.80
37-3013	Tree Trimmers and Pruners	\$9.69	\$13.61	\$10.14	\$12.09	\$15.37
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$12.39	\$16.22	\$13.52	\$15.93	\$18.44
53-3033	Truck Drivers, Light or Delivery Services	\$7.77	\$11.72	\$8.55	\$10.89	\$14.44
51-6093	Upholsterers	\$8.90	\$11.08	\$9.23	\$10.43	\$12.47
19-3051	Urban and Regional Planners	\$18.86	\$27.07	\$21.61	\$27.27	\$32.87
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.75*	\$8.17	\$6.82	\$7.72	\$9.00
29-1131	Veterinarians	\$24.67	\$37.26	\$30.16	\$39.17	\$44.19
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$6.75*	\$9.16	\$6.75*	\$7.95	\$11.15
29-2056	Veterinary Technologists and Technicians	\$8.30	\$12.14	\$8.91	\$11.63	\$14.59
25-1194	Vocational Education Teachers, Postsecondary	\$14.87	\$24.85	\$16.49	\$21.45	\$33.52
35-3031	Waiters and Waitresses	\$6.75*	\$8.50	\$6.75*	\$7.43	\$8.64
49-9064	Watch Repairers	\$9.63	\$10.11	\$9.61	\$10.29	\$10.98
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$18.46	\$23.81	\$20.93	\$25.00	\$27.47

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$10.43	\$15.58	\$11.93	\$15.33	\$19.96
51-4121	Welders, Cutters, Solderers, and Brazers	\$9.39	\$14.56	\$10.32	\$13.39	\$17.78
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$10.09	\$16.25	\$11.60	\$15.02	\$19.79
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$13.20	\$21.06	\$14.88	\$17.49	\$23.27
51-7099	Woodworkers, All Other	\$9.74	\$11.30	\$9.62	\$10.46	\$12.33
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$7.52	\$10.88	\$8.15	\$10.28	\$13.27
43-9022	Word Processors and Typists	\$11.13	\$14.26	\$11.99	\$13.62	\$15.39
27-3043	Writers and Authors	\$10.98	\$23.70	\$12.56	\$18.86	\$26.89
19-1023	Zoologists and Wildlife Biologists	\$11.70	\$17.08	\$14.23	\$15.70	\$17.17

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
 - (4) An estimate of employment could not be provided.
 - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- * The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Projections & Planning Information

Module F:

Social & Economic Data

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Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

TABLE 1
PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM
2000 - 2002
SAN DIEGO COUNTY

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a)	87,580	75,250	66,291	1,331,704
Adults	20,409	16,548	12,471	297,063
Children	67,171	58,702	53,820	1,034,641
Food Stamps (b)	73,076	70,111	67,750	1,529,445
General Relief (c)	1,172	1,185	1,090	95,718
Refugee Cash Assistance (d)	2	1	0	1,362
Welfare to Work (e)	17,651	12,104	9,019	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

TABLE 2
PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)
CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER
2000 - 2002
SAN DIEGO COUNTY

Characteristics	July			CALIFORNIA
	2000	2001	2002	July 2002
Total Recipients 16+ (a) (b)	30,330	26,060	22,960	461,210
Male	5,810	4,990	4,400	88,310
Female	24,530	21,080	18,570	373,040
16-20	6,400	5,500	4,840	97,300
21-44	21,620	18,570	16,360	328,710
45-54	1,850	1,590	1,400	28,150
55+	470	410	360	7,200
White (Not Hispanic)	8,920	7,450	6,470	113,140
Black (Not Hispanic)	6,730	5,520	4,780	101,960
Hispanic	12,010	10,790	9,760	206,470
Asian & Pacific Islander	2,150	1,850	1,550	33,350
American Indian	180	150	130	3,290
Filipino	350	310	270	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>
 See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

TABLE 3
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SAN DIEGO COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	38,050	45,510	7,460	19.6	\$23,201	\$8.78
19005	GENERAL MANAGERS, TOP EXECUTIVES	29,280	35,030	5,750	19.6	(4)	(4)
55347	GENERAL OFFICE CLERKS	30,490	35,830	5,340	17.5	\$25,105	\$11.72
49023	CASHIERS	25,140	29,730	4,590	18.3	\$19,534	\$8.03
67005	JANITORS, CLEANERS-EXCEPT MAIDS	18,210	22,060	3,850	21.1	\$19,819	\$8.52
25104	COMPUTER SUPPORT SPECIALISTS	5,210	8,540	3,330	63.9	\$39,388	\$17.41
79041	LABORERS, LANDSCAPING/GROUNDSKEE	13,650	16,980	3,330	24.4	\$20,427	\$8.75
97105	TRUCK DRIVERS, LIGHT	12,510	15,650	3,140	25.1	\$24,373	\$10.89
63047	GUARDS AND WATCH GUARDS	11,450	14,500	3,050	26.6	\$19,340	\$8.70
25102	SYSTEMS ANALYSTS-ELEC DATA PROC	4,970	7,910	2,940	59.2	\$66,343	\$30.52
65008	WAITERS AND WAITRESSES	19,060	21,870	2,810	14.7	\$17,684	\$7.43
55305	RECEPTIONISTS, INFORMATION CLERKS	14,050	16,740	2,690	19.1	\$25,085	\$11.11
22127	COMPUTER ENGINEERS	4,220	6,760	2,540	60.2	\$76,602	\$37.76
68014	AMUSEMENT, RECREATION ATTENDANTS	4,800	7,260	2,460	51.3	\$17,070	\$7.56
31308	TEACHERS-SECONDARY SCHOOL	11,320	13,760	2,440	21.6	\$51,851	(5)
87102	CARPENTERS	11,900	14,050	2,150	18.1	\$37,160	\$17.66
98902	HAND PACKERS AND PACKAGERS	6,710	8,860	2,150	32.0	\$16,676	\$7.63
31305	TEACHERS-ELEMENTARY SCHOOL	14,480	16,600	2,120	14.6	\$49,536	(5)
65041	COMBINED FOOD PREP AND SERVICE	17,420	19,470	2,050	11.8	\$14,606	\$6.88
93956	ASSEMB, FABRICATORS-EX MACH,ELECT	10,640	12,550	1,910	18.0	\$22,172	\$10.21

Source: Employment Development Department, Labor Market Information Division,
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at www.calmis.ca.gov

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the San Diego Metropolitan Statistical Area (MSA).

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (4a) - Median Hourly Wage \$61.52;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$49,761 - Median Hourly Wage \$22.73;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$82,736 - Median Hourly Wage \$38.24;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(4a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(5) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 1 — San Diego Metropolitan Statistical Area

San Diego							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area

Anaheim	Los Angeles County					San Bernardino County	
Carson/Lomita/Torrance	Orange County					SELACO	
Foothill	Riverside County					South Bay	
Long Beach	Santa Ana					Ventura	
Los Angeles City	San Bernardino City					Verdugo	
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area

Alameda	Oakland						Santa Cruz
Contra Costa	Richmond						Solano
Marin	San Francisco						Sonoma
Napa	San Jose						
NOVA	San Mateo						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 4 — Other Metropolitan Areas

Fresno	NoRTEC						Stanislaus
Golden Sierra	North Central						Tulare
Kern/Inyo/Mono	Sacramento						Yolo
Merced	San Joaquin						
Monterey	Santa Barbara						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 5 — Nonmetropolitan Areas

Humboldt		Mother Lode					
Imperial		San Benito					
Kings		San Luis Obispo					
Madera							
Mendocino							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive,
Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: SAN DIEGO COUNTY

JURISDICTIONS INCLUDED: SAN DIEGO COUNTY AND SAN DIEGO CITY-CONSORTIUM

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)

EMPLOYED	1,408,723
UNEMPLOYED	58,979
UNEMPLOYMENT RATE	4.0
NOT IN LABOR FORCE (2)	677,301

2002 VETERAN INFORMATION

TOTAL VETERANS (3)	224,854
MALE	207,400
FEMALE	17,454
VIETNAM ERA VETERANS - CENSUS 2000 (4)	79,939
DISABLED VETERANS (5)	36,342

OFFENDERS (6)	32,824
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% OF PEOPLE IN POVERTY: SAN DIEGO COUNTY, 1998 (7)	13.1
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1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES	8.1
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CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 {10}		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	11,600	100.0	35,156	100.0	139,656	100.0	22,872	100.0	197,684	100.0
BY RACE:										
WHITE NOT HISPANIC	2,881	24.8	14,140	40.2	56,234	40.3	13,108	57.3	83,482	42.2
BLACK NOT HISPANIC	1,587	13.7	3,053	8.7	12,044	8.6	1,648	7.2	16,745	8.5
AMERICAN INDIAN NOT HISP	25	0.2	457	1.3	1,745	1.2	270	1.2	2,472	1.3
ASIAN NOT HISPANIC	1,041	9.0	3,196	9.1	12,999	9.3	2,198	9.6	18,393	9.3
PACIFIC ISLAND NOT HISP	50	0.4	316	0.9	609	0.4	0	0	925	0.5
HISPANIC	6,017	51.9	13,993	39.8	56,025	40.1	5,649	24.7	75,667	38.3
BY SEX:										
MALE	6,047	52.1	15,780	44.9	58,102	41.6	8,195	35.8	82,077	41.5
FEMALE	5,553	47.9	19,376	55.1	81,554	58.4	14,677	64.2	115,607	58.5
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	572	4.9	8,874	25.2	52,221	37.4	10,216	44.7	71,311	36.1
GRADUATES	0	0	2,421	6.9	40,746	29.2	5,892	25.8	49,059	24.8
STUDENTS	4,826	41.6	9,955	28.3	3,504	2.5	195	0.9	13,654	6.9
DISABLED	278	2.4	2,243	6.4	20,282	14.5	8,852	38.7	31,377	15.9
LIMITED ENGLISH PROF	1,215	10.5	5,758	16.4	32,829	23.5	4,150	18.1	42,737	21.6

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division,
 Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: San Diego County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	2,813,833	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population	2,813,833	100.0
Male.....	1,415,097	50.3	Hispanic or Latino (of any race).....	750,965	26.7
Female.....	1,398,736	49.7	Mexican.....	628,460	22.3
Under 5 years.....	198,621	7.1	Puerto Rican.....	14,937	0.5
5 to 9 years.....	212,829	7.6	Cuban.....	3,883	0.1
10 to 14 years.....	199,669	7.1	Other Hispanic or Latino.....	103,685	3.7
15 to 19 years.....	199,919	7.1	Not Hispanic or Latino.....	2,062,868	73.3
20 to 24 years.....	230,953	8.2	White alone.....	1,548,833	55.0
25 to 34 years.....	443,360	15.8	RELATIONSHIP		
35 to 44 years.....	457,263	16.3	Total population	2,813,833	100.0
45 to 54 years.....	352,803	12.5	In households.....	2,716,820	96.6
55 to 59 years.....	114,391	4.1	Householder.....	994,677	35.3
60 to 64 years.....	90,275	3.2	Spouse.....	503,876	17.9
65 to 74 years.....	160,059	5.7	Child.....	825,265	29.3
75 to 84 years.....	117,284	4.2	Own child under 18 years.....	638,328	22.7
85 years and over.....	36,407	1.3	Other relatives.....	190,187	6.8
Median age (years).....	33.2	(X)	Under 18 years.....	65,808	2.3
18 years and over.....	2,090,172	74.3	Nonrelatives.....	202,815	7.2
Male.....	1,043,766	37.1	Unmarried partner.....	58,546	2.1
Female.....	1,046,406	37.2	In group quarters.....	97,013	3.4
21 years and over.....	1,954,644	69.5	Institutionalized population.....	23,447	0.8
62 years and over.....	365,832	13.0	Noninstitutionalized population.....	73,566	2.6
65 years and over.....	313,750	11.2	HOUSEHOLD BY TYPE		
Male.....	133,213	4.7	Total households	994,677	100.0
Female.....	180,537	6.4	Family households (families).....	663,170	66.7
RACE			With own children under 18 years.....	336,825	33.9
One race.....	2,681,866	95.3	Married-couple family.....	503,876	50.7
White.....	1,871,839	66.5	With own children under 18 years.....	246,762	24.8
Black or African American.....	161,480	5.7	Female householder, no husband present.....	114,970	11.6
American Indian and Alaska Native.....	24,337	0.9	With own children under 18 years.....	67,740	6.8
Asian.....	249,802	8.9	Nonfamily households.....	331,507	33.3
Asian Indian.....	10,148	0.4	Householder living alone.....	240,756	24.2
Chinese.....	30,750	1.1	Householder 65 years and over.....	78,509	7.9
Filipino.....	121,147	4.3	Households with individuals under 18 years.....	369,833	37.2
Japanese.....	18,649	0.7	Households with individuals 65 years and over.....	222,153	22.3
Korean.....	12,004	0.4	Average household size.....	2.73	(X)
Vietnamese.....	33,504	1.2	Average family size.....	3.29	(X)
Other Asian ¹	23,600	0.8	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	13,561	0.5	Total housing units	1,040,149	100.0
Native Hawaiian.....	2,362	0.1	Occupied housing units.....	994,677	95.6
Guamanian or Chamorro.....	4,875	0.2	Vacant housing units.....	45,472	4.4
Samoan.....	4,402	0.2	For seasonal, recreational, or		
Other Pacific Islander ²	1,922	0.1	occasional use.....	14,433	1.4
Some other race.....	360,847	12.8	Homeowner vacancy rate (percent).....	1.0	(X)
Two or more races.....	131,967	4.7	Rental vacancy rate (percent).....	3.1	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races: ³			Occupied housing units	994,677	100.0
White.....	1,979,176	70.3	Owner-occupied housing units.....	551,461	55.4
Black or African American.....	186,679	6.6	Renter-occupied housing units.....	443,216	44.6
American Indian and Alaska Native.....	46,177	1.6	Average household size of owner-occupied units.....	2.78	(X)
Asian.....	295,346	10.5	Average household size of renter-occupied units.....	2.68	(X)
Native Hawaiian and Other Pacific Islander.....	24,524	0.9			
Some other race.....	423,848	15.1			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: San Diego County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school	827,975	100.0	Total population	2,813,833	100.0
Nursery school, preschool	46,024	5.6	Native	2,207,579	78.5
Kindergarten	43,227	5.2	Born in United States	2,162,217	76.8
Elementary school (grades 1-8)	336,952	40.7	State of residence	1,235,991	43.9
High school (grades 9-12)	159,655	19.3	Different state	926,226	32.9
College or graduate school	242,117	29.2	Born outside United States	45,362	1.6
EDUCATIONAL ATTAINMENT			Foreign born	606,254	21.5
Population 25 years and over	1,773,327	100.0	Entered 1990 to March 2000	215,502	7.7
Less than 9th grade	140,733	7.9	Naturalized citizen	250,125	8.9
9th to 12th grade, no diploma	168,116	9.5	Not a citizen	356,129	12.7
High school graduate (includes equivalency)	352,040	19.9	REGION OF BIRTH OF FOREIGN BORN		
Some college, no degree	454,254	25.6	Total (excluding born at sea)	606,254	100.0
Associate degree	134,673	7.6	Europe	57,355	9.5
Bachelor's degree	330,993	18.7	Asia	197,767	32.6
Graduate or professional degree	192,518	10.9	Africa	11,905	2.0
Percent high school graduate or higher	82.6	(X)	Oceania	3,414	0.6
Percent bachelor's degree or higher	29.5	(X)	Latin America	321,782	53.1
MARITAL STATUS			Northern America	14,031	2.3
Population 15 years and over	2,202,589	100.0	LANGUAGE SPOKEN AT HOME		
Never married	664,163	30.2	Population 5 years and over	2,617,718	100.0
Now married, except separated	1,145,754	52.0	English only	1,752,737	67.0
Separated	50,633	2.3	Language other than English	864,981	33.0
Widowed	116,515	5.3	Speak English less than "very well"	391,630	15.0
Female	94,364	4.3	Spanish	573,649	21.9
Divorced	225,524	10.2	Speak English less than "very well"	273,578	10.5
Female	133,468	6.1	Other Indo-European languages	80,143	3.1
GRANDPARENTS AS CAREGIVERS			Speak English less than "very well"	21,991	0.8
Grandparent living in household with one or more own grandchildren under 18 years	65,531	100.0	Asian and Pacific Island languages	185,810	7.1
Grandparent responsible for grandchildren	21,244	32.4	Speak English less than "very well"	86,320	3.3
VETERAN STATUS			ANCESTRY (single or multiple)		
Civilian population 18 years and over ..	2,005,614	100.0	Total population	2,813,833	100.0
Civilian veterans	292,034	14.6	Total ancestries reported	3,062,951	108.9
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Arab	18,747	0.7
Population 5 to 20 years	639,565	100.0	Czech ¹	14,233	0.5
With a disability	45,154	7.1	Danish	18,174	0.6
Population 21 to 64 years	1,562,025	100.0	Dutch	36,844	1.3
With a disability	279,231	17.9	English	253,199	9.0
Percent employed	57.2	(X)	French (except Basque) ¹	79,018	2.8
No disability	1,282,794	82.1	French Canadian ¹	17,524	0.6
Percent employed	75.3	(X)	German	353,270	12.6
Population 65 years and over	304,413	100.0	Greek	12,044	0.4
With a disability	124,205	40.8	Hungarian	13,857	0.5
RESIDENCE IN 1995			Irish ¹	269,516	9.6
Population 5 years and over	2,617,718	100.0	Italian	133,304	4.7
Same house in 1995	1,181,429	45.1	Lithuanian	6,038	0.2
Different house in the U.S. in 1995	1,327,467	50.7	Norwegian	47,692	1.7
Same county	903,149	34.5	Polish	57,628	2.0
Different county	424,318	16.2	Portuguese	15,990	0.6
Same state	184,746	7.1	Russian	31,076	1.1
Different state	239,572	9.2	Scotch-Irish	44,030	1.6
Elsewhere in 1995	108,822	4.2	Scottish	55,577	2.0
			Slovak	3,261	0.1
			Subsaharan African	18,878	0.7
			Swedish	45,872	1.6
			Swiss	9,784	0.3
			Ukrainian	6,343	0.2
			United States or American	106,116	3.8
			Welsh	19,294	0.7
			West Indian (excluding Hispanic groups)	5,174	0.2
			Other ancestries	1,370,468	48.7

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: San Diego County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	1,040,149	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	994,677	100.0
1-unit, detached.....	530,430	51.0	1.00 or less.....	877,043	88.2
1-unit, attached.....	98,101	9.4	1.01 to 1.50.....	52,450	5.3
2 units.....	23,200	2.2	1.51 or more.....	65,184	6.6
3 or 4 units.....	54,028	5.2			
5 to 9 units.....	78,605	7.6	Specified owner-occupied units	457,264	100.0
10 to 19 units.....	63,423	6.1	VALUE		
20 or more units.....	145,423	14.0	Less than \$50,000.....	2,588	0.6
Mobile home.....	44,234	4.3	\$50,000 to \$99,999.....	13,491	3.0
Boat, RV, van, etc.....	2,705	0.3	\$100,000 to \$149,999.....	58,226	12.7
			\$150,000 to \$199,999.....	109,422	23.9
YEAR STRUCTURE BUILT			\$200,000 to \$299,999.....	141,977	31.0
1999 to March 2000.....	20,109	1.9	\$300,000 to \$499,999.....	90,301	19.7
1995 to 1998.....	48,248	4.6	\$500,000 to \$999,999.....	33,240	7.3
1990 to 1994.....	75,710	7.3	\$1,000,000 or more.....	8,019	1.8
1980 to 1989.....	227,606	21.9	Median (dollars).....	227,200	(X)
1970 to 1979.....	273,455	26.3			
1960 to 1969.....	156,133	15.0	MORTGAGE STATUS AND SELECTED		
1940 to 1959.....	185,556	17.8	MONTHLY OWNER COSTS		
1939 or earlier.....	53,332	5.1	With a mortgage.....	362,087	79.2
			Less than \$300.....	1,090	0.2
ROOMS			\$300 to \$499.....	7,397	1.6
1 room.....	42,756	4.1	\$500 to \$699.....	14,234	3.1
2 rooms.....	96,635	9.3	\$700 to \$999.....	39,170	8.6
3 rooms.....	141,224	13.6	\$1,000 to \$1,499.....	110,166	24.1
4 rooms.....	178,586	17.2	\$1,500 to \$1,999.....	97,488	21.3
5 rooms.....	190,686	18.3	\$2,000 or more.....	92,542	20.2
6 rooms.....	164,236	15.8	Median (dollars).....	1,523	(X)
7 rooms.....	111,120	10.7	Not mortgaged.....	95,177	20.8
8 rooms.....	67,667	6.5	Median (dollars).....	305	(X)
9 or more rooms.....	47,239	4.5			
Median (rooms).....	4.8	(X)	SELECTED MONTHLY OWNER COSTS		
Occupied housing units	994,677	100.0	AS A PERCENTAGE OF HOUSEHOLD		
YEAR HOUSEHOLDER MOVED INTO UNIT			INCOME IN 1999		
1999 to March 2000.....	248,074	24.9	Less than 15.0 percent.....	126,798	27.7
1995 to 1998.....	321,775	32.3	15.0 to 19.9 percent.....	63,891	14.0
1990 to 1994.....	146,381	14.7	20.0 to 24.9 percent.....	66,196	14.5
1980 to 1989.....	143,796	14.5	25.0 to 29.9 percent.....	51,824	11.3
1970 to 1979.....	80,165	8.1	30.0 to 34.9 percent.....	39,203	8.6
1969 or earlier.....	54,486	5.5	35.0 percent or more.....	106,251	23.2
			Not computed.....	3,101	0.7
VEHICLES AVAILABLE					
None.....	79,978	8.0	Specified renter-occupied units	441,614	100.0
1.....	346,500	34.8	GROSS RENT		
2.....	391,670	39.4	Less than \$200.....	7,672	1.7
3 or more.....	176,529	17.7	\$200 to \$299.....	8,302	1.9
			\$300 to \$499.....	41,385	9.4
HOUSE HEATING FUEL			\$500 to \$749.....	147,405	33.4
Utility gas.....	636,701	64.0	\$750 to \$999.....	115,305	26.1
Bottled, tank, or LP gas.....	36,538	3.7	\$1,000 to \$1,499.....	78,195	17.7
Electricity.....	293,147	29.5	\$1,500 or more.....	24,543	5.6
Fuel oil, kerosene, etc.....	1,408	0.1	No cash rent.....	18,807	4.3
Coal or coke.....	27	-	Median (dollars).....	761	(X)
Wood.....	10,315	1.0			
Solar energy.....	1,056	0.1	GROSS RENT AS A PERCENTAGE OF		
Other fuel.....	1,332	0.1	HOUSEHOLD INCOME IN 1999		
No fuel used.....	14,153	1.4	Less than 15.0 percent.....	55,705	12.6
			15.0 to 19.9 percent.....	59,061	13.4
SELECTED CHARACTERISTICS			20.0 to 24.9 percent.....	60,108	13.6
Lacking complete plumbing facilities.....	6,037	0.6	25.0 to 29.9 percent.....	51,870	11.7
Lacking complete kitchen facilities.....	7,804	0.8	30.0 to 34.9 percent.....	37,835	8.6
No telephone service.....	10,250	1.0	35.0 percent or more.....	150,383	34.1
			Not computed.....	26,652	6.0

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Explanation Of Terms And Concepts

American Indian and Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

Black or African American: A person having origins in any of the Black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic: Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

Native Hawaiian and Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

Some Other Race: Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

Two or More Races: Refers to a classification of census respondents who chose to provide two or more races.

Veteran: A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran: A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

Welfare-To-Work Program: The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.



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